January 8, 2018 -January 14, 2018

January 2018

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February 2018

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Monday, January 8

- 12:00pm 12:30pm Biweekly Meeting with Directors: Beverly Banister (RA's Small Conference Room) Glenn, Trey 🔾
- 2 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
 Grantham, Nancy ○
- 2:00pm 3:00pm Copy: Senior Staff Meeting (Alm Room) Adm14Pruitt, Scott •

Tuesday, January 9

- 8:45am 9:45am Meeting with Anne, Blake and Brandi (Trey's Conference Room) Glenn, Trey
- 10:00am 10:30am General Discussion Oakridge (RA Conference room) Heard, Anne
- 1:00pm 1:30pm General Discussion (Anne's Office) Heard, Anne
- 1:30pm 2:00pm Biweekly Meeting with Directors: Franklin Hill (call in 404-562-9997 code(b)(6) (RA's Small Conference) Glenn, Trev •
- 1:30pm 2:30pm RCRD Staff Meeting (10B (10T65)) Ricks-Sinquefield, Debra •
- **2:30pm 3:15pm PADs/Comms Directors Weekly Meeting** (Room 2530 WJC North New call in #: 202-991-0477 Conference Code: (b)(6) Grantham, Nancy ↔

Wednesday, January 10

- 10:00am 10:05am Closing Ceremony for CFC (9th Floor Library) Glenn, Trey
- 10:00am 11:00am FW: Combined Federal Campaign You Still Have Time to Show You Care! (R4 Library) Reese, Tondia
- 12:30pm 12:50pm Call with Col. Kirk (JAX Corps District) re:

 Mosaic Fertilizer Mine in Central Florida, Wingate (Via Phone in the
- 202-991-0477 Conference ID: (b)(6)
- 1:00pm 1:30pm Meeting with CID (RA's Small Conference Room) Glenn, Trey
- 1:30pm 2:00pm Daicel Next Steps (RA's Conference Room) Glenn, Trey
- 2:00pm 2:30pm RA's Video Conferencing Tutorial (RA's Office) Hudson, Wanda
- 3:00pm 3:30pm Quick Superfund Overview (RA's Conference

Thursday, January 11

- 7:30am Reminder Belinda Leave All Day
- 10:30am 11:00am General Discussion Interim FTE Management (RA Conference room) Ashbee, Blake
- (New Conference Line # 202-991-0477 Conference ID: (b)(6)
- 21:00pm 1:30pm Discussion List (Call 404-562-9998, code (b)(6)
- 1:30pm 2:30pm GenX Briefing for Trey (RA's Conference Room (Presentation added)) Glenn, Trey
- 3:00pm 3:45pm General with Larry Lincoln (Blake's Office) Ashbee, Blake
- **Z 3:00pm 3:45pm OCIR Weekly Regional Call** (3428-WJCN) Richardson, RobinH ○

Friday, January 12

- 10:15am 10:45am General Discussion (Blake's office) Heard, Anne
- 11:00am 12:00pm Block
- 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs
 (New Conference Line # 202-991-0477 Conference ID: (b)(6)

 Grantham, Nancy O
- 1:00pm 1:30pm Block

Saturday, January 13

Sunday, January 14

CWA Section 404 Permit Review of the Mosaic Wingate East Phosphate Mine - 01/08/18

ISSUE: Pursuant to the EPA/Corps 404(q) Memorandum of Agreement (MOA), Part IV 3(c), the Jacksonville District of the Army Corps of Engineers has provided the EPA with a draft CWA Section 404 Permit and supplemental information dated December 28, 2017, for the Mosaic Wingate East Phosphate Mine. The Wingate East Mine is one of four primary areas of land in central Florida owned by Mosaic, Inc., that was subject to an Area-wide National Environmental Policy Act (NEPA) review. In 2016, the EPA had successfully worked with Mosaic and the Corps through the complex NEPA and 404 issues for one of the four mining parcels, the South Pasture Extension. Applying a similar approach, the "c" letter and attachments for the Wingate East mine sufficiently addresses EPA's comments from our CWA 404(q) "a" and "b" letters. WPD staff are routing a "d" letter that will notify the Corps that we will not elevate our review to the Office of Water. In accordance with the 404(q) MOA, the EPA is required to issue the "d" letter by January 18, 2018.

BACKGROUND:

In 2012, the Corps issued a draft area-wide Environmental Impact Statement (EIS) and the draft section 404 public notice regarding the four parcels proposed for phosphate mining by Mosaic, which comprised 159 square miles.

The EPA issued "a" and "b" letters to the Corps, respectively in July and August of 2012, pursuant to the 404(q) MOA describing concerns about permit duration, avoidance of aquatic resources of national importance (ARNI), and an adequate compensatory mitigation plan for all four areas of land.

Following significant coordination and work between the EPA, Mosaic and the Corps throughout 2012 and 2013, the Corps completed the area-wide EIS for the four Mosaic mining parcels that establishes direction for central Florida phosphate mining going forward.

Based on continued coordination between the EPA, the Corps, Mosaic, and other stakeholders, significant improvements to the current Wingate East project have been made:

- Decrease in the proposed timeframe for construction of active mining from 34 years to 17 years.
- Avoidance of an additional 245 acres of wetlands and an additional 7,303 linear feet of intermittent and perennial stream impacts.
- Reduction of the number of clay settling ponds from 2 to 1.
- Development of a draft compensatory mitigation plan dated November 2017.

STATUS AND NEXT STEPS:

EPA Region 4 staff believe the comments from the EPA's "a" and "b" letters have been sufficiently addressed by Mosaic and the Corps.

Under the Section 404(q) MOA Part IV Paragraph 3(d), the EPA's written response to the Jacksonville District is due within 15 days (i.e., by January 18, 2018) of receipt of the Corp's "c" letter.

A "d" letter to the District (Colonel Kirk) is in routing for the RA's signature and includes a statement that the EPA will not be seeking elevation of this permit to headquarters.

CONTACT: Duncan Powell, Water Protection Division, 404-562-9258



DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT CORPS OF ENGINEERS P.O. BOX 4970 JACKSONVOLLE, FLORIDA 32232-0019

December 28, 2017

Regulatory Division

Mr. Trey Glenn Regional Administrator Environmental Protection Agency Region IV 61 Forsyth Street, SW Atlanta, GA 30303-3104

Region 4 - RA's Office

JAN - 3 201

Received

Dear Mr. Glenn:

The U.S. Army Corps of Engineers (Corps) has completed its review and evaluation of Mosaic Fertilizer, LCC's Wingate East phosphate mine located in Manatee County, Florida. The Corps has reviewed the 3(a) and 3(b) letters provided by the Environmental Protection Agency (EPA) dated July 30 and August 23, 2012 for Wingate East. The purpose of this letter is to inform your agency that the Corps intends to issue the permit in accordance with the procedural requirements of the 1992 404(q) Memorandum of Agreement Part IV, 3(c)1.

EPA's 3(a) letter identified three specific issues of concern: avoidance of waters of the U.S. considered to be ecologically significant, the proposed compensatory mitigation, and permit duration. During the development of the Areawide Environmental Impact Statement on phosphate mining (EIS), the Corps worked with EPA and the Florida Department of Environmental Protection to develop a mitigation framework to outline reasonable alternatives for avoidance, minimization, and compensatory mitigation for the four phosphate mine applications considered. The outcome has resulted in the following changes to the project and address the EPA's three issues of concern:

Avoidance of Ecologically Significant Waters: The June 1, 2012, public notice for this project described avoidance of 155 acres (27%) of ecologically significant framework wetlands on site, and 5,196 linear feet (40%) of framework streams. The applicant has substantially minimization impacts to ecologically significant wetlands and streams. The permit requires avoidance of 349 acres (80%) of framework wetlands, and 12,499 linear feet (100%) of framework streams.

<u>Compensatory Mitigation</u>: Section 8 of the draft decision document, and the revised compensatory mitigation plan¹, describe how the applicant will provide compensatory mitigation within the Upper Myakka River subwatershed. The mitigation will preserve, enhance, and establish wetland and stream mitigation areas onsite, and establish two

¹ See Attachment B of the attached draft Record of Decision and Statement of Findings.

adjacent offsite wetland mitigation areas to the east and south. These two offsite parcels include the restoration of 1.5 miles of the upper Myakka River and its riparian corridor by filling in ditched sections of the Myakka River and creating a more naturally-meandering stream channel flanked by bottomland swamp.

Permit Duration: The permit duration has decreased since the project was originally proposed. The applicant's original proposal was for a 34 year permit authorizing 27-28 years of active mining and up to eight years of reclamation and mitigation construction. The permit duration is now 20 years and authorizes active mining (phosphate rock production) at Wingate East for approximately 17 years, with reclamation and wetland mitigation activities taking up to five years². Additionally, the permit special conditions³ require annual monitoring and reporting on the status of the project, adaptive management to correct problems with mitigation before it fails, alternative mitigation if adaptive management does not work, and five year compliance status reviews with input from EPA and other agencies.

The applicant has provided a mine plan as their preferred alternative that complies with both avoidance and minimization requirements of the Clean Water Act Section 404(b)(1) Guidelines and the EIS mitigation framework.

Based on information provided by the applicant, modifications made to the project, and the addition of additional monitoring, adaptive management, and mitigation requirements, the Corps believes that this project will not result in unacceptable adverse effects to aquatic resources of national importance. The enclosed draft of our Record of Decision and Statement of Findings describes the project and addresses your various concerns. A draft of the permit instrument is also enclosed.

If you have any questions regarding the information in this letter, please feel free to contact me or you may contact Mr. Mark E. Peterson directly at (813) 769-7065 or by e-mail at mark.e.peterson@usace.army.mil.

Singerely

Mason A. Kirk. P.B. Colonel, U.S. Army District Commander

Enclosures

See Section 1.4.1 of the attached draft Record of Decision and Statement of Findings.
 See Attachment D of the attached draft Record of Decision and Statement of Findings.

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director be set up this meeting? Yes		subject, and is h	e/she aware of your request to
Date of Request: 1/9/18			
Requestor: Dan O'Lone (per le Phone No.: 29434	Ken Lapiere)		
Name of Meeting: First Line S	Supervisor's (FLS)) Meeting	
Purpose of Meeting: To share	his vision for the	Region with the	First Line Supervisors.
Is the Meeting Date Sensitive?	? Yes X No □	Deadline Date	: 1/12/18
Meeting Date/Time Preference		Date: 1/23/18	Time: 9:00
Meeting Date/Time Preference		Date:	Time:
Meeting Date/Time Preference		Date:	Time:
we thought it would be valuab	rst Line Superviso ble and increase at	or Advisory Gro tendance at the I	am the R4 FLS representative up (FLAG). In talking with Ken FLS meeting to have Trey attendole in implementing that vision.
Expectations from Meeting of If you are looking for a decision No decision is needed.	(Please be specific on, give a date by	: Are you looki when this decisi	ng for a decision, guidance?) on must be made.
No. of Participants: (It is very important that the RA's office is aware of how many and whomno surprises; i.e., we were told 2 staff members and 10 show up)	Names of Requir All 100+ FLSs w probably about h will attend.	vill be invited,	Optional Invitees:

Requested Meeting Location:

***Please email briefing papers, slides, background documents etc., to Wanda Hudson. You will have 2 DAYS (48 Hours), to submit this information prior to the meeting. Also, please copy information to the RA's Special Assistant, Brandi Jenkins. Your Power-point presentation (if any) will be loaded and ready for showing upon your arrival. For any critical issues that need to be elevated, please email Brandi Jenkins and Blake Ashbee.

Update on GenX Activities Chemours Facility, Fayetteville, NC

Briefing for Trey Glenn January 11, 2018

Withheld – EPA Internal/Enforcement Confidential

Exemption 5 (deliberative process privilege) Exemption 7(A) Enforcement Confidential

January 15, 2018 -January 21, 2018

January 2018

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February 2018

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Monday, January 15

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

■ 1:00pm - 1:30pm Biweekly Meeting with Directors: Vickie Tellis (SESD) (RA's Small Conference Room) - Glenn, Trey:

Tuesday, January 16

- 10:00am 11:00am To be rescheduled :General Discussion -Proposed Reorganization (RA Conference room) - Heard, Anne
- 1:00pm 1:30pm General Discussion with Allison and Wanda (RA Conference room) Ashbee, Blake
- **a 1:30pm 2:30pm RCRD Staff Meeting** (10B (10T65)) Ricks-Singuefield, Debra
- 2:30pm 3:00pm General Discussion Update on Oakridge FSP and Paducah SMP (RA Conference Room) Heard, Anne
- 3:00pm 3:30pm Check-in (RA Conference room) Heard, Anne

Wednesday, January 17

- 11:00am 12:00pm FW: Region 4 Fiscal Year 2018 Continuous Improvement Fair (SNAFC Bridge Conference Room) - Morrall, Abraham
- 11:00am 12:00pm LEAN CHALLENGE AND FAIR (SNAFC BRIDGE POC: Abe Morell) Glenn, Trey
- 12:00pm 3:00pm Regional Monthly Review (Agenda and additional information has been added) (RA's Conference Room) -Glenn, Trey

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

Thursday, January 18

9:30am - 10:00am Meeting with Staff: Reorganization Recommendations (RA's Conference Room or 404-562-9997; (b)(6) Glenn, Trey

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
Grantham, Nancy (c)

- 2:00pm 3:00pm Copy: EPCRA/CERCLA Outreach with NASDA & ECOS Members (Call in 833-679-7657, Conference ID (b)(6)

 (WJCN 3330 (OARM Conference Room)) Nitsch, Chad
- 3:00pm 3:45pm Meeting: OCR 101 Call in Number (866) 299-3188 Code: (b)(6) (RA's Conference Room (Presentation & Calendar Attached)) - Glenn, Trey 3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) -

Friday, January 19

- Section: | Warringer Reople Plus Approval Day
- 9:00am 9:45am Muni CD's & SSO/CSO Briefing (RA's Conference

9:00am - Peopleplus approval day

- 📕 10:00am 10:10am Call Dr. Berry H. (Nick) Tew (AL) Oil and Gas
- 📰 10:10am 10:20am Call Lance LeFleur Oil and Gas Round Table
- 📕 10:20am 10:30am Call Lisa Ivshin (MS) Oil and Gas Board
- 10:30am 10:40am Call Gary Rikard Oil and Gas Board Round
- 👪 10:40am 10:50am Call John Small (KY) Oil and Gas Board
- 10:50am 11:00am Call Aaron Keatley Oil and Gas Board Round
 - 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs
 - 1:30pm 2:00pm General Discussion NEI (Anne's office) Heard,
- # 2:00pm 2:30pm (Call-in # added) General Discussion OEJS
- 2:30pm 3:00pm General Discussion with Larry (RA Conference
 - 4:15pm 4:45pm Shutdown Update (RA's Conference Room or

Saturday, January 20

Richardson, RobinH:

Sunday, January 21

Ashbee, Blake 1 9/10/2018 3:00 PM

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Region 4 Monthly Business Review

January 17, 2018

12:00 PM - 3:00 PM

AGENDA

1.	Opening Remarks	T. Glenn
2.	 Background - Introduction to the Performance Scorecard Bowling Chart Countermeasures Breakthrough Projects (A3) 	D. Fifadara
3.	Tentative process and time line for submission	D. Fifadara
4.	 Discussion on FY2018-2022 EPA Strategic Plan Divisions will report on their relevant Strategic Measures from the Draft FY18-22 Strategic Plan 	All
5.	Status of Funds and FTE Utilization	K. Eubanks
6.	Review of Action Items	D. Fifadara

Office of Land and Emergency Management

520-F-17-001 January 2018 www.epa.gov/animalwaste

CERCLA and EPCRA Reporting Requirements for Air Releases of Hazardous Substances from Animal Waste at Farms

Overview

Two environmental laws, the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Emergency Planning and Community Right-to-Know Act (EPCRA), require reporting releases of a hazardous substance that exceeds a reportable quantity within a 24-hour period. The purpose of the notification is for federal, state, and local officials to evaluate the need for an emergency response to mitigate the effects of the release to the community.

Due to a recent court decision, some farms (including ranches, livestock operations and/or animal operations) will soon be required to report hazardous substance air releases from animal waste under CERCLA.

Why do I need to report?

Previously, EPA exempted farms from reporting hazardous substance air releases from animal waste under CERCLA, and only large concentrated animal feeding operations (CAFOs) were subject to EPCRA reporting, which is a separate but related law.

Citizen groups challenged the validity of EPA's rule, and the U.S. Court of Appeals for the DC Circuit struck down EPA's rule on April 11, 2017. Therefore, EPA's regulatory exemption no longer applies.

As a result of the Court decision, farms with animal operations that release certain amounts of hazardous substances will be required to report these air emissions as early as January 22, 2018.

When do I need to report?

The Court is expected to issue its order on January 22, 2018. Farms do not have to report until the Court issues its mandate.

Do I need to submit a CERCLA report?

Reporting is required when releases of hazardous substances (like ammonia or hydrogen sulfide) from animal waste meet or exceed their reportable quantities within a 24-hour period. For a complete list of CERCLA hazardous substances, please see the Resources link at: www.epa.gov/animalwaste.

What substances need to be reported?

Ammonia (NH₃) and hydrogen sulfide (H₂S) are common hazardous substances emitted from animal waste that require reporting if released to the air in amounts greater than or equal to their reportable quantity of 100 lbs within a 24-hour period. If a farm releases any other hazardous substances above their designated reportable quantities within a 24-hour period, those need to be reported as well.

How do I estimate releases?

To help you comply with the reporting requirements, EPA has made resources available on its website that may be helpful in estimating emissions. You may also use other models for estimating emissions or you may estimate quantities of releases by relying on:

- Past release data;
- Engineering estimates;
- Your knowledge of the facility's operations and release history; or
- Your best professional judgment.

Why Can't EPA Tell Me How Many Animals Require Reporting?

EPA recognizes it will be challenging for farmers to estimate releases because there is no generally accepted methodology for estimating these emissions at this time.

Many factors influence emissions:

- · geographic location;
- environmental conditions;
- management practices (e.g. feed, manure);
- animal characteristics (e.g. number, species, life stage);
- · operating conditions; and
- · general management practices.

Due to the complex interactions of these factors, emissions cannot be standardized based solely on the number and type of animals at each animal operation. For example, there are many scenarios when operations with fewer animals will have higher emissions than operations with greater numbers of the same species of animals.

EPA is working on developing methodologies to estimate emissions from a wide variety of operations and thus better inform emission estimates from animal waste. However, that work will not be completed prior to the Court's mandate that farms report.

Facility owners and operators are required to report an estimate only-monitoring data is not required. Additionally, farmers are not required to reduce emissions. Farmers should keep a copy of the calculation for future reference. For more information, please see the Resources link at: www.epa.gov/animalwaste.

How do I report for CERCLA?

To comply with CERCLA reporting requirements for air releases of hazardous substances from animal waste, instead of reporting every day, farms may follow a streamlined reporting process known as "continuous release reporting." This requires the facility owner or operator to follow the steps outlined in the column to the right.

How often do I need to estimate emissions?

If you use the continuous release reporting process, you need to review emissions from the farm once a year. You'll also need to estimate emissions following any significant changes in operations that may result in statistically significant increases in emissions.

Do I need to submit an EPCRA report?

EPA interprets the statute to exclude farms that use substances in "routine agricultural operations" from reporting under EPCRA section 304. This encompasses routine operations at farms, animal feeding operations, nurseries, other horticultural operations, and aquaculture. For more information, see: www.epa.gov/epcra/question-and-answer-epcra-reporting-requirements-air-releases-hazardous-substances-animal.

Do farms that have animals that reside primarily outside of an enclosed structure and graze on pastures, need to comply with reporting releases of hazardous substances from animal wastes under CERCLA?

Yes, if the facility has releases above the reportable quantity. EPA considers all contiguous property under common ownership to be a single facility for reporting purposes. For purposes of determining whether you have a reportable release, a person must identify all of the sources of hazardous substances releases, identify the quantities that are emitted from each source, and add up the quantities released for the facility. In making this determination, farms should include all releases from the facility, including releases from animal waste due to animals that reside primarily outside of an enclosed structure.

Additional Resources

- Email comments or suggestions on guidance materials to: CERCLA103.guidance@epa.gov
- Regional Contacts: www.epa.gov/epcra/cr-erns-regional-contacts
- Continuous Release Reporting Forms: www.epa.gov/animalwaste
- National Response Center: 800-424-8802 or farms@uscg.mil

Questions?

- See the CERCLA and EPCRA guidance for more information: www.epa.gov/animalwaste
- Call the EPCRA, RMP & Oil Information Center at: 1-800-424-9346

CERCLA Continuous Release Reporting Process

Step 1: Provide the National Response Center (NRC) with an initial continuous release notification by email (farms@uscg.mil) or by phone (1-800-424-8802). An owner or operator can send one email notification for multiple farms.

Your email should identify that this is an initial continuous release notification and include:

- Name of the farm
- Location of the farm (e.g., name of city/town and state)
- Name(s) of the hazardous substance(s) released (ammonia and/or hydrogen sulfide)

Note: The NRC does not require personally identifiable information, such as an address for a private residence. A generic location (name of city/town and state) may be sufficient.

You will receive an email from the NRC with a single identification number (CR-ERNS) for your farms(s). Include the CR-ERNS number on the follow-up report discussed in Step 2.

Step 2: Within 30 days of the NRC notification, submit an initial written notification to the EPA Regional Office for the area where the release occurs (see www.epa.gov/epcra/cr-erns-regional-contacts). Use the Continuous Release Reporting Form.

Step 3: Submit a one-time first anniversary follow-up report to the EPA Regional Office.

If there are significant changes at your operation that could result in a change in emissions, additional reporting may be necessary.

Oficina de Administración de Tierras **Emergencias**

520-F-17-001 Enero 2018 www.epa.gov/animalwaste

Requisitos de reportes para emisiones al aire de sustancias peligrosas provenientes de desechos animales en las granjas conforme a CERCLA y EPCRA

Generalidades

Hay dos leyes ambientales, la Ley de Responsabilidad, Compensación y Respuesta Ambiental Comprensiva (CERCLA, por sus siglas en inglés) y la Ley de Planificación para Emergencias y Derecho a Saber de la Comunidad (EPCRA, por sus siglas en inglés) que exigen reportar emisiones de una sustancia peligrosa que exceda una cantidad reportable en un periodo de 24 horas. El propósito de la notificación es para que los funcionarios federales, estatales y locales evalúen la necesidad de una respuesta de emergencia a fin de mitigar los efectos de la emisión a la comunidad.

Debido a una decisión judicial reciente, pronto se les exigirá a algunas granjas (incluidos ranchos, operaciones ganaderas y/u operaciones animales) reportar las emisiones al aire de sustancias peligrosas provenientes de desechos animales según CERCLA.

¿Por qué debo reportar?

Anteriormente, la EPA eximía a las granjas de reportar emisiones al aire de sustancias peligrosas provenientes de desechos animales según CERCLA, y solo las operaciones concentradas de gran envergadura para alimentar animales (CAFO, por sus siglas en inglés) estaban sujetas a reportes conforme a EPCRA, que es una ley separada pero relacionada. Hubo grupos de ciudadanos que objetaron la validez de la regla de la EPA, y la Corte de Apelaciones de los EE. UU. correspondiente al Circuito DC anuló dicha regla de la EPA el 11 de abril de 2017. Por lo tanto, ya no es aplicable la exención reglamentaria de la EPA.

A causa de la decisión judicial, se exigirá a las granjas con operaciones animales que emiten ciertas cantidades de sustancias peligrosas que reporten estas emisiones al aire incluso a partir del 22 de enero de 2018.

¿Cuándo tengo que reportar?

Se espera que se emita la orden judicial el 22 de enero de 2018. Las granjas no deben reportar hasta que se emita la orden judicial.

¿Debo presentar un informe de CERCLA?

Se exige reportar cuando las emisiones de sustancias peligrosas (como amoníaco o sulfuro de hidrógeno) provenientes de desechos animales alcancen o excedan sus cantidades reportables dentro de un periodo de 24 horas. Para ver una lista completa de sustancias peligrosas conforme a CERCLA, consulte el enlace de Recursos en inglés en: www.epa.gov/animalwaste.

¿Qué sustancias se deben reportar?

El amoníaco (NH₃) y el sulfuro de hidrógeno (H₂S) son sustancias peligrosas comunes emitidas por los desechos animales que se exige reportar si se emiten al aire en cantidades que superen o igualen la cantidad reportable de 100 lbs dentro de un periodo de 24 horas. Si una granja emite cualquier otra sustancia peligrosa sobre sus cantidades reportables designadas dentro de un periodo de 24 horas, deben reportarse aquellas también.

¿Cómo estimo las emisiones?

¿Por qué no puede la EPA decirme cuántos animales se requiere reportar?

La EPA reconoce que será difícil para los agricultores estimar las emisiones porque no hay una metodología generalmente aceptada para estimar estas emisiones en este momento.

Hay muchos factores que influyen en las emisiones:

- · ubicación geográfica;
- · condiciones ambientales;
- prácticas administrativas (por ej, forraje, guano);
- características de los animales (por ej. número, especie, etapa de vida);
- · condiciones operativas; y
- prácticas generales de gestión.

Debido a las interacciones complejas de estos factores, no pueden estandarizarse las emisiones basándose exclusivamente en el número y tipo de animales que haya en cada operación animal. Por ejemplo, hay muchas situaciones donde las operaciones con menos animales tienen mayores emisiones que las operaciones con mayor número de la misma especie animal.

La EPA está trabajando para desarrollar metodologías destinadas a estimar las emisiones de una amplia variedad de operaciones para así informar mejor sobre estimar emisiones provenientes de desechos animales. Sin embargo, no se terminará dicha labor antes del mandato judicial para que los agricultores reporten.

Enero 2018

Para asistir a los agricultores con los requisitos de reportar, la EPA ha puesto recursos a disposición en su sitio web que pueden ser útiles para estimar las emisiones. También puede usar otros modelos para estimar emisiones o puede estimar cantidades de emisiones basándose en:

- Datos anteriores de emisiones;
- Estimados de ingeniería;
- Su conocimiento de las operaciones de la instalación y el historial de emisiones; o
- Su óptimo criterio profesional.

Se exige a los propietarios y operadores de instalaciones reportar solo un estimado; no se requieren datos de monitoreo. Además, no se exige a los agricultores reducir las emisiones. Los agricultores deben conservar una copia de los cálculos para referencia futura. Para obtener más información, vea el enlace de Recursos en: www.epa.gov/animalwaste.

¿Cómo reporto según CERCLA?

Para cumplir con los requisitos de reportes de CERCLA en cuanto a emisiones al aire de sustancias peligrosas provenientes de desechos animales, en vez de reportar todos los días, las granjas pueden seguir un proceso simplificado de reportes que se conoce como "reportes de emisiones continuas". Esto exige que el propietario u operador de la instalación siga los pasos descritos en la columna a la derecha.

¿Con qué frecuencia debo estimar las emisiones? Si usted usa el proceso de reportes de emisiones continuas, debe revisar las emisiones de la grande una vez al año. También deberá estimar las emisiones después de que haya cambios considerables en las operaciones que puedan causar aumentos estadísticamente significativos en las emisiones.

¿Debo presentar un informe según EPCRA?

La EPA interpreta la ley como que excluye a las granjas que usan sustancias en "operaciones agrícolas de rutina" de los reportes según la sección 304 de la EPCRA. Esto abarca operaciones de rutina en las granjas, operaciones de alimentación de animales, criaderos de plantas, otras operaciones de horticultura y acuicultura. Para obtener más información, vea: www.epa.gov/epcra/question-and-answer-epcra-reporting-requirements-air-releases-hazardous-substances-animal.

¿Deben cumplir las granjas que tienen animales mantenidos principalmente fuera de una estructura cerrada y pastando en pastizales, con reportar emisiones de sustancias peligrosas provenientes de desechos animales conforme a CERCLA?

Proceso de reportes de emisiones continuas según CERCLA

Paso 1: Proporcione al Centro Nacional de Respuesta (National Response Center, NRC, por sus siglas en inglés) una notificación inicial de emisiones continuas por correo electrónico (farms@uscg.mil) o por teléfono (1-800-424-8802). Un propietario u operador puede enviar una notificación por correo electrónico abarcando múltiples granjas.

Su mensaje de correo electrónico debe identificar que esta es una notificación inicial de emisiones continuas e incluir:

- Nombre de la granja
- Ubicación de la granja (por ej., nombre de la ciudad/pueblo y estado)
- Nombre(s) de la(s) sustancia(s)
 peligrosa(s) emitida (s) (amoníaco y/o
 sulfuro de hidrógeno)

Nota: El NRC no exige información personalmente identificable, como la dirección de una residencia privada. Una ubicación genérica (nombre de la ciudad/pueblo y estado) puede ser suficiente.

Recibirá un mensaje de correo electrónico del NRC con un solo número de identificación (CR-ERNS) para su(s) granja(s). Incluya el número de CR-ERNS en el informe de seguimiento mencionado en el Paso 2.

Paso 2: Dentro de un plazo de 30 días de la notificación al NRC, presente una notificación inicial por escrito a la Oficina Regional de la EPA correspondiente al área donde ocurre la emisión (vea www.epa.gov/epcra/cr-erns-regional-contacts). Use el Formulario de reportes de emisiones continuas.

Paso 3: Presente una sola vez un informe de seguimiento en el primer aniversario a la Oficina Regional de la EPA.

Sí, en caso de que la instalación tenga emisiones sobre la cantidad reportable. La EPA considera toda propiedad contigua con propietario común como instalación única para fines de reportar. Con el objeto de determinar si tiene una emisión reportable, una persona debe identificar todas las fuentes de emisiones de sustancias peligrosas, identificar las cantidades

Enero 2018

que se emiten de cada fuente y sumar las cantidades emitidas de la instalación. Al hacer esta determinación, las granjas deben incluir todas las emisiones de la instalación, incluso emisiones de desechos animales provenientes de animales que se mantienen principalmente fuera de una estructura cerrada.

Recursos adicionales

- Envíe por correo electrónico comentarios o sugerencias sobre materiales de orientación a: CERCLA103.guidance@epa.gov
- Contactos regionales: www.epa.gov/epcra/cr-erns-regional-contacts
- Formularios de reportes de emisiones continuas: www.epa.gov/animalwaste
- Centro Nacional de Respuesta: 800-424-8802 o farms@uscg.mil

¿Tiene alguna pregunta?

- Vea la orientación de CERCLA y EPCRA para obtener más información en inglés: www.epa.gov/animalwaste
- Llame al Centro de Información sobre EPCRA, RMP y Petróleo al: 1-800-424-9346

Office of Civil K1ghts (

Veronica Robertson – Acting Regional Civil Rights Officer Kenneth Lapierre - Deputy Civil Rights Official Renee Wootson – Program Analyst

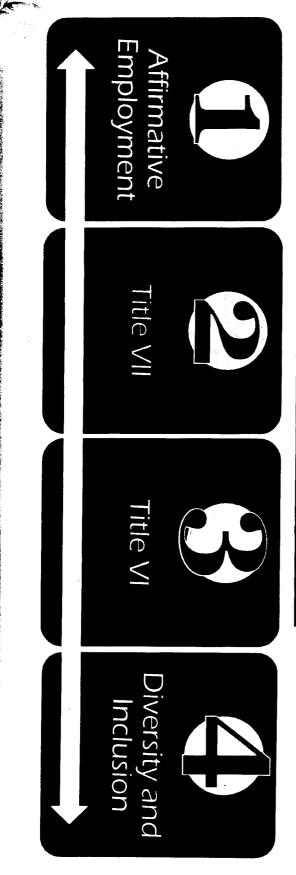
January 18, 2018

I AM Diversity!

Office of Civil Rights

Serves as the principal advisor to the Regional Administrator, Deputy Regional Administrator, Assistant Regional Administrator, the RA's staff, and the operating divisions on matters relating to the regional civil rights and diversity/inclusion programs.

OCR's Four Main Components



Who Are We?

- Process informal EEO discrimination complaints
- Coordinate workplace Mediation
- Develop and implement EEO and Diversity training

Provide consultative Diversity services to management and staff

- Provide EEO Policy and Guidance
- Host Special Observance activities
- Ensure external Civil Rights compliance for financial recipients - Title VI
- Management Directive (MD-715)



Diversity and Inclusion

Diversity is the full range of human and/or organization similarities and differences.

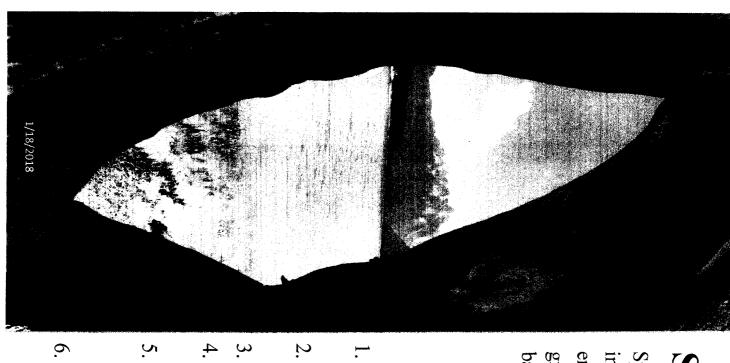
Everyone is Unique

Inclusion is the process of leveraging the power of diversity to achieve a common goal or objective.

The Is Valued

- o Diversity Learning Series
- Diversity Day
- Special Emphasis Programs
- o Diversity & Inclusion Training
- O Consultation and Facilitation

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Special Emphasis (SEP) Programs

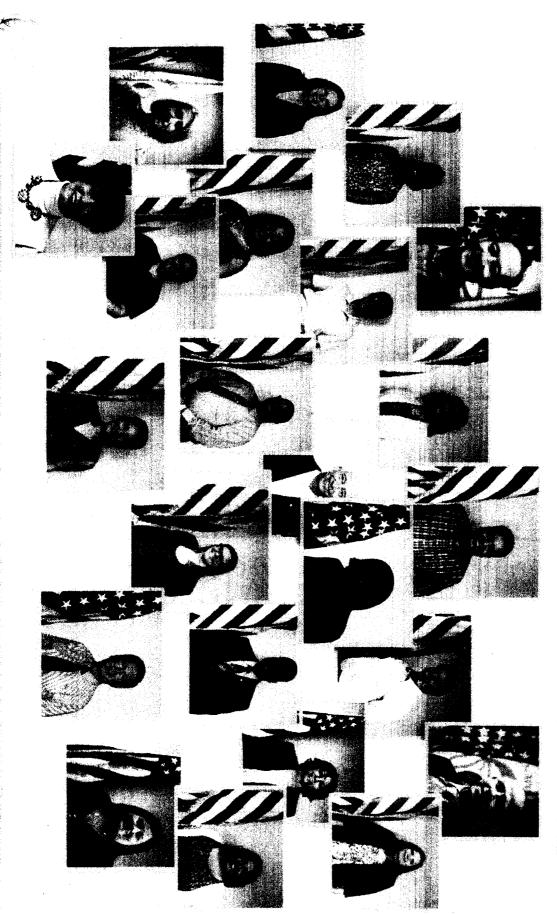
Special Emphasis Program Managers (SEPMs) help to promote diversity employment and advancement opportunities for the selected constituent barriers to the hiring, advancement and retention of target group. group(s). Analyze policies, practices and procedures which may present initiatives and provide advice and guidance to management concerning



- American Indian/Alaskan
- Asian American and Pacific Islander Employment Program 8.
- Black Employment Program
- **Employment Program Experienced Federal Workers**
- Program Lesbian, Gay, Bisexual and Transgender Employment
- Federal Women's Employment Program

- Women in Science & Program **Engineering Employment**
- Professional Administrative Council for Excellence
- Hispanic Employment Program
- 10. Persons with Disabilities Veterans Employment Program **Employment Program**

SEPMs and Executive Champions



I AM De sity!

1/18/2018

Slide

Diversity and Civil Rights Training



with Coach, Mentor, Global Trainer of Thousands, Fabian De Rozari

October 25 & November 7, 2017 3rd Floor Savannah Room 10:00am-11:00am

conversation filled with tips on how to be successful in one's Join us for an inspiring learning opportunity, fast paced career. Gain unique insights based on an immigrant's

Control of the contro Learn what it takes to "Raise The Bar!"

R4 Office of Civil Rights

PHA Emborments
Append Append



Diversity Training. implements regional Civil Rights and The Office of Civil Rights oversees and

- Offerings are provided throughout the Fiscal Year
- oNo FEAR Training (available through Offer quarterly Diversity Learning Series Skillport)
- ✓ ALL New Employees must take within 90 days of employment.
- Required ALL employees to complete 2 years

1/18/2018

I AM Dive sity!

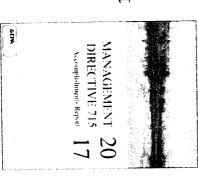
Affirmative Employment

programs. Annually, Agencies are required to conduct ongoing assessments and eliminate barriers that impede free and open competition in the workplace per the and maintaining effective affirmative and equal employment opportunity The Office of Civil Rights provides policy, guidance and standards for establishing Equal Employment Opportunity Commission (EEOC).

How we do this:

o Collect and analyze employee demographics including Age, Race, National orientation, veteran status, education as well as tracking of Peace Corps Origin, Gender, Disability. Other non-merit factors include sexual

Management Directive (MD-715) Annual Accomplishments Report Barrier Analysis / Workforce Demographics



Priorities and Barriers

National and Regional Priorities:

- Focus on Career Development
- Increase Schedule A Hiring
- Expand the use of Hiring Panels

Regional Barriers:

- Targeted Disabilities below the 2% national goal
- **Females** Less than expected participation rates for Hispanic Males and
- the GS 13 level A Glass Ceiling exists for Asian and Pacific Islander males at



1/18/2018

Regional Barriers

Civilian Labor Force (CLF) – Persons 16 years of age and over within the workforce; except those who are unemployed or in the armed forces.

Targeted Disabilities – benchmark of 2% is not based on the CLF but instead the federal goal established pursuant to Executive Order 13548-Increasing Federal Employment of Individuals with Disabilities. The federal goal is 2% of the total workforce population.

Vete	Veteran and Targeted	CLS	As of 12/23/2017	/23/2017
D	Disability Status	%	#	%
Veteran		7.00%	104	11.80%
Targeted	Targeted Disabilities	2.00%	11	1.25%
America	American Indian/Alaska Native	0.60%	3	0.30%
Asian		4.80%	33	3.80%
Black		11.30%	296	33.60%
Hawaiiar	Hawaiian/Pacific Islander	0.20%	0	0.00%
White		67.00%	493	56.00%
More the	More than 1 Race	1.50%	11	1.30%
Hispanic		14.60%	44	5.00%
	Regional Total:	100%	880	100%
LGBT		Government 2017 EVS 3%	EPA 2017 EVS 4.28%	17 EVS 8%

Data sources: Workforce - Federal Personnel Payroll System; EPA LGBT – Annual Employee Viewpoint Survey (EVS)

Title VII

Informal Intake Process

o EEO Counseling

ADR Mediation

if he/she believes they have been discriminated against based on one or more of these factors employment may invoke an Equal Employment Opportunity (EEO) complaint An Environmental Protection Agency employee or applicant for federal

- Religion Color Sex (including Sexual o Harassment) Pregnancy Parental Status Sexual Orientation
 - Genetic Information

EEO Complainants counseled

Complainants used

ADR/Mediation

EEO Contacts (not filed)

EEO Complaints accepted

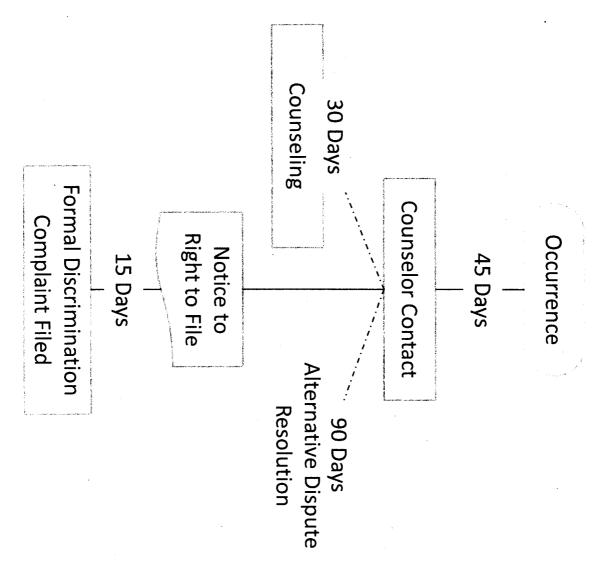
2017 Region 4 Complaint data

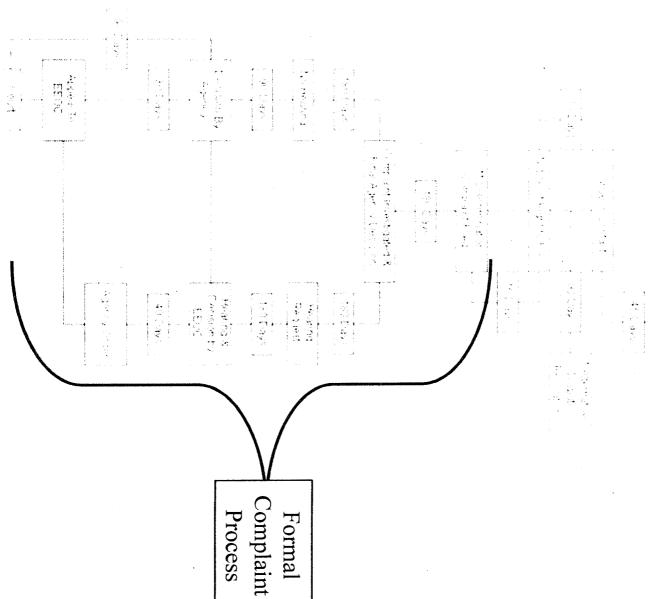
- 0 Retaliation
- Age (40 or over) National Origin
- Mental) Disability (Physical or

Note: Employees must contact OCR within 45 days of the incident.



1/18/2018





Title VI

applicants / recipients of financial assistance from EPA. External Complaints and Compliance of discrimination by

- Communicate and support HQs Office of External Compliance
- Review 4700-4 Forms
- Provide written review to Office of Grants
- Participate on National and Regional meetings/calls

Accomplishments

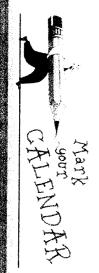
- ✓ On-time submission MD 715 Annual Accomplishments Report 2018 Action Plan
- Robust Special Emphasis Program Full Capacity of SEPMs/Executive Champions
- Successful Quarterly Diversity Learning Series

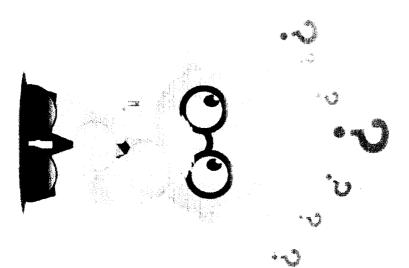
Enlightening One-Hour of Power Training – "Raising the Bar"

- Educational Session -From Unconscious Bias to Conscious Competence
- Collaborative Joint Federal Veterans Day Observance Program
- Supported and processed more than "100" 4700-4 (Title VI) requests (2 months)
- Managed the regional EEO process



- □ January 24 EEO Complaints Process What Will You Do and Mediation Matters
- □ January 24 EEO: Managers Only Session
- February 1 Leaders in Action: Heart 2 Heart Conversation
- February 20 Disability Awareness Training
- □ March 8 Courageous/Crucial Conversation
- July 25 Regional Diversity Day Celebration







toak you for the opportunity.



EPA Region 4 FY 2018 Civil Rights and Diversity Annual Calendar

Date	Session	Location/Time	Comments
Region 4 sponsored Training/WORKSHOPS	ining/WORKSHOPS		
January 24, 2018	What Would You Do & Mediation Matters EEO Complaints Cynthia Darden, HQs Mediation – Dana Williams, CDC	10T33 / 10am- 12:00pm	Training – Open to all employees Managers ONLY Session 1-2pm 10T33
QUARTERLY DIVERS	QUARTERLY DIVERSITY LEARNING SERIES		
December 7, 2017	From Unconscious to Conscious Competence. Buck Davis	Columbus Room /	1 st Qtr DLS (Completed)
March 8, 2018	Courageous/Crucial Conversations	SESD Onsite / 10-11am ATL 10T33	2 nd Qtr DLS – All employees
July 25, 2018	Regional Diversity Day Celebration	9D/9E / 10am-12pm	Regional Diversity Day Celebration
October 18, 2018	Transformation -Trust & Bias	9D / 10-11am	3rd Otr DLS — Open to all employees
SPECIAL EMPHASIS PROGRAMS	PROGRAMS		- Court of the Carlotte Court of the Carlott
January 25, 2018	OCR SEPMs/Champions Offsite	MLK Building / 9:45am-12pm	Open to all SEPMs & Executive Champions
February 1, 2018	Leaders in Action (Heart 2 Heart) Panel Session Sponsored by OCR Federal Women's Program (FWP)	9E 11am-12pm	Open to all employees Special Invite for Federal Womensponsored by FWP
February 20 2018	R4 Disability (A-bility) Awareness Training - Diverse Abilities	9E /	Managers ONLY Session (9:30am)
rebruary 20, 2018	Manager Session (9:30) Employee (2pm)	9:30am-10:30am 2:00-3:00pm	Open to all employees (2:00pm)
April 25, 2018	Admin Prof & Experienced Federal Workers Human Library Connect	Regional Library 10am-12pm	Open to all employees
October 3 or 4, 2018	Hispanic Employment Training	10T33 / 10-11am	Open to all employees
OTHER EVENTS			
3 rd Quarter	MD -715 Supervisors/Managers Only Customer Service Conversation	June 2018	MD -715 Accomplishments Discussion
August 24, 2018	MD 715 reports due to OCR	OCR	Divisions provide accomplishments
November 7 or 8, 2018	Joint Observance -EPA/SSA/GSA	10am	Open to all

Last updated – January 2018

Contact the Region 4 Office of Civil Rights for additional information- 404-562-8389

EPA Only – Do Not Cite, Quote or Release – Deliberative

Exemption 5 – withheld

Talking Points for Regional Administrator (RA) Calls with State Commissioners in Advance of National Round Table on Oil and Gas

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director be set up this meeting? Yes _X_		subject, and is h	e/she aware of your request to	
Date of Request: 01/09/18				
Requestor: César Zapata Phone No.: 404-562-9744				
Name of Meeting: Briefing or	Muni SSO/CSO d	ases		
Purpose of Meeting: Brief the	RA about the mun	icipal enforcem	ent initiative and current status	
Is the Meeting Date Sensitive	? Yes□ No X	Deadline Date		
Meeting Date/Time Preferenc		Date: 01/19/18	Time: 9:00 AM	
Meeting Date/Time Preferenc		Date:	Time:	
Meeting Date/Time Preferenc	e #3	Date:	Time:	
	ce of municipal uti	lities in regards	s. During the last 15 years, the to sewer overflows as part of a Region has taken several major	
Expectations from Meeting	(Please be specific:	Are you looki	ng for a decision, guidance?)	
If you are looking for a decision	on, give a date by v	when this decision	on must be made.	
This is an informational briefing.				
No. of Participants: (It is very important that the RA's office is aware of how many and whomno surprises; i.e., we were told 2 staff members and 10 show up)	Names of Require Mary Walker César Zapata Maurice Horsey	ed Invitees:	Optional Invitees:	

Requested Meeting Location:

***Please email briefing papers, slides, background documents etc., to Wanda Hudson. You will have 2 DAYS (48 Hours), to submit this information prior to the meeting. Also, please copy information to the RA's Special Assistant, Brandi Jenkins. Your Power-point presentation (if any) will be loaded and ready for showing upon your arrival. For any critical issues that need to be elevated, please email Brandi Jenkins and Blake Ashbee.

Official Meeting/Briefing Request for the RA or DRA

been briefed on this X_ No	subject, and is	he/she aware of your	request to
,			
on			
of Civil Rights			
Diversity Day Celebr	ation (July 25, 2	2018). In addition to	briefing the
ve? Yes □ No X	Deadline Date	e: 1/26/2018	
nce #1	Date: 1/16/18	Time: 1:00 I	PM
nce #2	Date: 1/17/18	Times 10.00	AM or
nce #3	Date: 1/18/18	Time: 10:00 11:00AM	AM or
chedule at least 1 housed: Yes NO Xes	advisor to the Ininistrator, the Resights and diversion is a bi-annual st themes have bed in a Day. Are you looking then this decision	A's staff, and the operative with the constant of the constant where Region seen – Life in a Diver	erating grams. n 4 comes rse World,
Ken Lapierre Kristy Eubanks		Optional Invitees:	
	on of Civil Rights The RA providing ar Diversity Day Celebrated and approvalment ve? Yes \(\subseteq \text{No X} \) nce #1 nce #2 nce #3 ar chedule at least 1 housed: Yes \(\supseteq \text{NO X} \) serves as the principal sistant Regional Admit to the regional civil versity Day Celebrated and Around the World (Please be specific: ion, give a date by well as the principal sistant Regional Regional Civil versity Day Celebrated and Around the World (Please be specific: ion, give a date by well Regional Required Ken Lapierre Kristy Eubanks Veronica Robertso	of Civil Rights The RA providing an overview of the Diversity Day Celebration (July 25, 2 didance and approval regarding the Royent The Reference of the Royent of the Diversity Date: 1/16/18 and 1	of Civil Rights The RA providing an overview of the office mission (OC Diversity Day Celebration (July 25, 2018). In addition to addance and approval regarding the Regional Diversity Day Per Provided to the Regional Diversity Day Provided to the Regional Diversity Day Provided to the regional Date: 1/16/18 Time: 10:00 1:00 PM or 1:00 PM or 1:00 PM or 1:00 PM Time: 10:00 1:00 PM

***Please send briefing papers, slides, background documents etc., to

R4 ORA Briefing Materials@epa.gov. You will have 2 DAYS (48 Hours), to submit this information prior to the meeting. Also, please send information to RA/DRA Special Assistants and Executive Assistants. Please save your presentation on the "F" Drive, under "My

Documents." You will be able to login on the Conference Room laptop as you would your own computer and pull up your presentation. Any critical issues that need to be elevated, please email the Special Assistants.

January 22, 2018 -January 28, 2018

January 2018	February 2018
SuMo TuWe Th Fr Sa	SuMo TuWe Th Fr Sa
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

Monday, January 22 8:00am - 9:00am Belinda Leave 10:30am - 11:00am Consent Decree Alignment Update (RA's Conference) - Glenn, Trey 12:00pm - 12:30pm Biweekly Meeting with Directors: Beverly Banister (RA's Small Conference Room) - Glenn, Trey 12:05pm - 12:50pm Lead Copper Rule Briefing (RA's Conference Room) - Glenn, Trey 12:30pm - 1:00pm OPA/OCIR/OPEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) - 1:00pm - 1:30pm Metrics Discussion with Water Protection Division Managers (15C) - Glenn, Trey	Tuesday, January 23 9:00am - 10:00am Discussion with First Line Supervisors (9th Floor 9D and 9E) - Glenn, Trey 10:00am - 10:45am Discussion: PFC Issues in the Region (RA's Conference Room or or 404-562-9997;(b)(6) - Glenn, Trey 11:00am - 12:00pm Meeting with the National Home Builders Association (NHBA) (RA's Conference Room (866) 299-3188 Code (b)(6) - Glenn, Trey 12:00pm - 12:45pm Briefing on Off-Shore Drilling (RA's Conference Room) - Glenn, Trey 1:00pm - 1:30pm Biweekly Meetings with Directors: Jeaneanne Gettle (RA's Office) - Glenn, Trey
1:30pm - 2:30pm RCRD Staff Meeting (10B (10T65)) - 2:00pm - 3:00pm Copy: Senior Staff Meeting (Alm Room) - 3:30pm - 4:00pm Biweekly Meeting with Director: Franklin Hill 4:00pm - 4:45pm Call with KY DEP regarding Daicel Safety	1:00pm - 1:45pm Region's 4 Proposed Listing Action for FL 303(d) List (Call in 1-866-299-3188 passcode (5)(6) 2:00pm - 2:30pm General Discussion with Michael Burns (Blake's Office) - Ashbee, Blake
Wednesday, January 24 ■ 10:30am - 11:00am Daicel Follow-up (RA's Conference Room) - Ashbee, Blake ■ 12:00pm - 12:45pm Check-in (RA Conference room) - Heard, Anne □ 12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) ■ 1:00pm - 1:30pm Discussion on FIOA (RA conference room) - Ashbee, Blake ■ 2:30pm - 3:00pm Randall ■ 3:00pm - 3:30pm Correspondence	Thursday, January 25 9:00am - 11:00am Deputy Team Meeting (To Be Determined) - Mundrick, Doug ① 12:30pm - 1:00pm General Discussion with Randall (Blake Office) - Ashbee, Blake 1:00pm - 1:30pm OPA/OCIR/OPEE Conference Call with PADs (866-299-3188 code (b)(6) - Grantham, Nancy ① 2:30pm - 3:00pm General with Michael Burns (Telecomference) - Ashbee, Blake 3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) - Richardson, RobinH ① 3:30pm - 4:00pm General Discussion - NEI (Call în Number Added - 404-562-9998, Code (b)(6) (RA Conference Room) - Heard, Anne
Friday, January 26 10:00am - 10:30am Discuss Draft Schematic (ORA Conference Room) - Heard, Anne 12:30pm - 1:00pm OPA/OCIR/OPEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy O 2:00pm - 2:30pm Discussion: Susan Bodine Memo (RA's Private Conference Room (For those in the building)) - Glenn, Trey	Saturday, January 27 Sunday, January 28

EPA Internal – Do Not Cite/Quote/Send Out – Exemption 5 withheld

Region 4 PFAS Overview – Briefing for Trey Glenn – January 23, 2018

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EPA Only – Please Do Not Cite, Quote or Release – Deliberative – withheld
Regional Administrator (RA) Briefing on Outer Continental Shelf (OCS) Responsibilities
January 23, 2018 @12:00pm
RA's Conference Room/Sam Nunn Federal Center/Atlanta, Georgia

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RA Briefing Sheet – Water Protection Division

The Stormwater Program/NHBA Meeting Briefing – December 12, 2017

Enforcement Confidential - withheld

Official Meeting/Briefing Request for the RA / DRA

RA Use Only: Accepte	ed 🗆 Reject 🗆	1 m 11	
	Ta B Reject E	Pending	
***DD/DDD Concurrence you are scheduling this me		your Division	's Director/Deputy Director
Date of Request: Novemb	per 22, 2017		
Requestor: César Zapata,	WPD Deputy Directo	or Ph	one No.: 404-562-9744
Name of Meeting: Meeting construction stormwater iss	•	Home Builders	Association (NHBA) to discus
•	•		BA requested a meeting with to on stormwater issues in Region
Have you briefed your Dir If No - When will you?:	rector: X	Yes 🗆 No	
Is the Meeting Date Sensitiv	ve? Yes □ No X	Deadline Dat availability.	te: ASAP according to the RA
Meeting Date/Time Preference #1		Date:	Time:
Meeting Date/Time Preference #2		Date:	Time:
Meeting Date/Time Preferen	nce #3	Date	Time:
Background: On October enforcement issues that gen	24, 2017, the NAHE	B met with EPA	A HQs to discuss their top increased costs in the field. Th
also discussed opportunities that all stakeholders underst goals. We would like to set	to improve complia and responsibilities a up a meeting with th	nce and clarify and are better e e Region 4 NA	state/federal enforcement role equipped to meet compliance AHB representative to listen to the stormwater compliance and
also discussed opportunities that all stakeholders underst goals. We would like to set their concern and to discuss	to improve compliation and responsibilities as up a meeting with the opportunities for im	nce and clarify and are better e e Region 4 NA	equipped to meet compliance AHB representative to listen to
also discussed opportunities that all stakeholders underst goals. We would like to set their concern and to discuss enforcement program. Have you included your be	to improve compliand responsibilities a up a meeting with the opportunities for imprefing sheet: X g (Please be specification)	nce and clarify and are better ender Region 4 NA provement in the Yes No	equipped to meet compliance AHB representative to listen to

Longsworth will coordinate the

invitation.	
Longsworth, Jeffrey contact	
info:	
Jeffrey.Longsworth@btlaw.com	
(202) 408-6918	

Requested Meeting Location: RA's Board Room.

Will there be any type of computer presentation? Yes x No \Box

Requestor will be required to supply laptop computer AND cables

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director been briefed on this subject, and is he/she aware of your request to set up this meeting? Yes _X__ No ____

Date of Request: 01/05/2018

Requestor: Mary Jo Bragan for Mary Walker

Phone No.: 2-9275

Name of Meeting: Metrics Discussion with Water Protection Division Managers

Purpose of Meeting: The purpose of this meeting is to provide the WPD managers with the opportunity to hear firsthand from the RA on the new regional metrics and his perspective on how they will enhance performance across the region.

Is the Meeting Date Sensitive? No	Deadline Date: Early Februa	ary
Meeting Date/Time Preference #1	Monday, Jan. 22, 2018	1:00-1:30
Meeting Date/Time Preference #2	Wednesday, Jan. 10, 2018	2:00-2:30
Meeting Date/Time Preference #3	Monday, Feb. 5, 2018	1:00-1:30

Duration of Meeting: 30 minutes

Conference Number Required: Meeting will be held in 15C. Conference lines will be set up by WPD. No IT equipment required.

Background: The WPD weekly staff meeting is held on Mondays at 1:00. Mary and Trey have previously discussed having him attend a staff meeting to talk with the WPD managers. This request is a follow up to their earlier conversation.

Expectations from Meeting: This is an opportunity for Trey to meet with the WPD managers. No decisions are expected.

No. of Participants:	Names of Required Invitees:	Optional Invitees:
21	WPD Managers Trey Glenn	

Requested Meeting Location: The meeting will be held in the WPD Division Director's Conference Room (15C) as part of the weekly manager's meeting.

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Johnson, Belinda

Subject:

Metrics Discussion with Water Protection Division Managers

Location:

Start: End:

Mon 1/22/2018 1:00 PM Mon 1/22/2018 1:30 PM

Recurrence:

(none)

Meeting Status:

Accepted

Organizer:

Glenn, Trey

Required Attendees:

Jenkins, Brandi; Blake Ashbee (ashbee.blake@epa.gov); Heard, Anne; Jones-Johnson,

Trey will attend WPD's Weekly meeting.

Purpose of Meeting: The purpose of this meeting is to provide the WPD managers with the opportunity to hear firsthand from the RA on the new regional metrics and his perspective on how they will enhance performance across the region.

Background: The WPD weekly staff meeting is held on Mondays at 1:00. Mary and Trey have previously discussed having him attend a staff meeting to talk with the WPD managers. This request is a follow up to their earlier conversation.

Expectations from Meeting: This is an opportunity for Trey to meet with the WPD managers. No decisions are expected.

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Lead and Copper Rule Revisions Update

Agenda

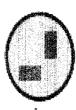
Background and key provisions Other related statutes Rulemaking history Regional activity

January 22, 2018



CONCERNED ABOUT LEAD IN YOUR DRINKING WATER?

Sources of **LEAD** in Drinking Water



Copper Pipe with

Lead Solder: Solder made or installed before 1986 contained high lead levels



Faucets: Fixtures inside your name nay contain lead

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Galvanized Pipe:

Lead particles can attach to the surface of galvanized pipes. Over time, the particles can enter your drinking water, causing elevated lead levels.



Lead Service Line: The service line is the pipe that runs from the water main to the home's internal plumbing. Lead service lines can be a major source of lead contarnination in water.



Lead Coose Necks

Goose necks and pigtails are shorter pipes that connect the lead service line to the main.

MAIN WATER LINE



Key Areas for Rule Revisions

- Corrosion Control Treatment
- Tap Sampling
- Public Education and Transparency
- Lead Service Line Replacement
- Copper Requirements



Corrosion Control Treatment

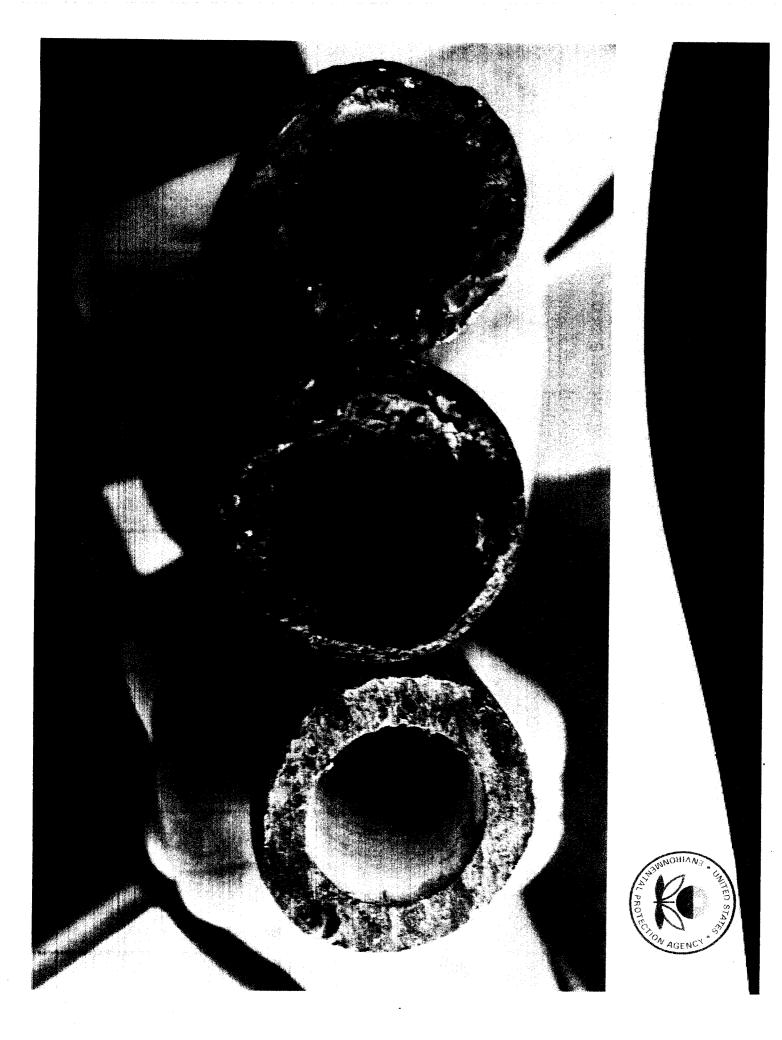
Current Requirements

- Systems serving >50,000 required to perform CCT
- Systems serving ≤50,000 required to perform CCT <u>if</u> AL exceeded
- System proposes treatment (or changes) and state approves

Revision Considerations

- Target systems required to install CCT differently
- Change requirements for designating optimal CCT
- Require system to find and fix problems in corrosion control treatment if a tap sample exceeds an action level







LCR Tap Sampling

Current Requirements

- Collect samples at residential taps that are at high risk of lead contamination
- 90th Percentile result compared to Action Levels based on treatment feasibility
- 15 ppb (μg/L) lead
- 1.3 ppm (mg/L) copper

Revision Considerations

- Changing where water systems are required to collect tap samples
- Change the way samples are collected to be more representative of exposure
- Establish a household action level that if exceeded would trigger a report to the consumer and to the applicable health agency for follow up



90th Percentile (Lead AL 15 ppb)

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Transparency & Public Education

Current Requirements

- Individual monitoring results sent to respective customers
- Annual Consumer Confidence Report sent to all consumers
- Systems that exceed lead action level must begin public education within 60 days after end of monitoring period

Revision Considerations

- Water systems to provide on-going targeted outreach with a special emphasis on all customers with lead service lines
- Water systems to provide notification to consumers within 24 hours of exceeding an action level
- results of all tap sampling, results of water quality parameter (WQP) monitoring and the number and locations of LSLs Water Systems to make information accessible to consumers on



Lead Service Line Replacement

Current Requirements

- Systems that exceed the lead Action Level (AL) after installing corrosion state can accelerate) control treatment (CCT) must replace 7% of lead service lines per year (the
- LSLR can stop when lead <=AL for 2 consecutive monitoring periods

Revision Considerations

- Require systems to create an inventory of lead service lines
- Require proactive full lead service line replacement
- Limit partial LSLR (emergency repair or unable customers)
- Require PWS to provide pitcher filters following LSL replacement

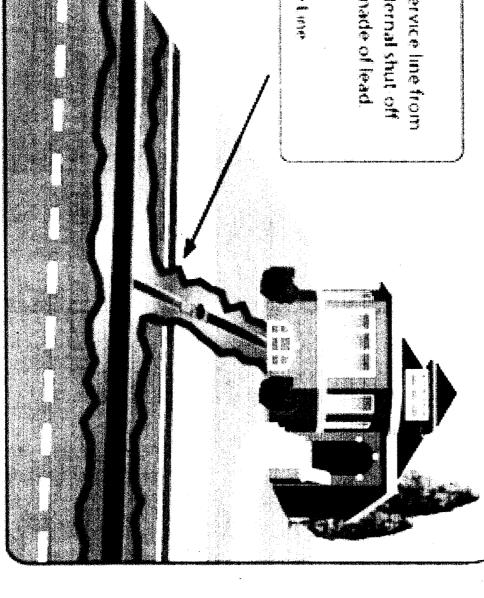


Scenario 1:

Only the portion of the service line from the water main to the external shut off valve or property line is made of lead.

Lead Service Line

Non-Lead Service Line



U.S. Environmental Protection Agency



Copper

Current Requirements

- Copper samples are collected at the same time and customer taps as lead samples
- The 90th% value of results is compared to the copper AL of 1.3 ug/L.
- If the copper AL is exceeded, water systems must implement CCT.

Revision Considerations

- Establish a screen to determine if water systems have water aggressive to copper, triggering follow-up actions if aggressive
- Modify tap sampling to require separate sampling sites for copper



Rulemaking History

- 2005 Drinking Water Lead Reduction Plan outlined both short and long term goals for improving LCR implementation
- 2007 Short-term Revisions to the LCR
- The rule enhanced monitoring, treatment, lead service line eplacement, public education, and customer awareness
- 2011 Reduction of Lead in Drinking Water Act
- 2013 EPA requested the National Drinking Water Advisory Council form a working group to provide input on rule revision
- 2015 the NDWAC provided LCR recommendations
- 2016 EPA released a LCR Revisions White Paper
- 2017 Peer review of draft scientific modeling approaches for potential health-based benchmarks for lead in drinking water
- 2018 Federalism and Tribal Consultation



Next Steps

- Complete Federalism & Tribal Consultations March 2018
- Option Selection April 2018 [not scheduled]
- Complete Economic and Other Analysis
- Propose revisions to the LCR for public comment – August 2018
- Promulgate final LCR revisions February 2020



Other Statutory Changes

- supporting regulations expected in 2019 Reduction of Lead in Drinking Water Act -
- Water Infrastructure for Improvements to the Nation Act (WIIN Act), December 2016



Enhanced State Oversight

- February 2016. EPA's letter to Governors, Commissioners, and Tribes.
- Emphasized the need for EPA and states to work together
- Stated that EPA would increase its oversight of state programs
- Recommended sampling techniques
- Committed to providing LCR training to states and revising the rule
- Urged states to take immediate actions to assure the public
- Asked states to confirm that specific actions were being taken
- July 2016. EPA's follow-up letter to Environmental Council of States and the Association of State and Territorial Health Officials
- Reiterated the same themes at the February 29th letter
- Highlighted challenge areas including identification of lead service lines and posting individual sampling results online



Enhanced State Oversight

exceedances (ALEs) (2013-2015). Regions engaged states to database to identify all drinking water systems with lead action level understand the history and status of each water system. EPA used the Safe Drinking Water Information System (SDWIS)

2441 PWSs with lead ALEs

PWSID	
Water System Name	
Prìmacy Agency	
EPA Region	
No Longer Subject To Rule	
Data Entry Error	
Invalid Sample	
Sample Invalidation Reason	
Primacy Agency Stated Not An ALE	
Primacy Agency Not An ALE Justification	
2 six month samples below ALE	
Conducted PE	
CCT Study underway or pending	
Corrosion Control Treatment Installed or Installing/WQP	
Replaced Interior Plumbing	
Lead Service Line Replacement	
Consolidating with Another System	



Lead ALEs and LCR Violations Region 4

State	<=500	501-	3,301-	10,001-	>100,000	Grand	Unresolved	Current	Current
		3,300	10,000	100,000		Total	Historical ALEs	ALEs 2016-2017	CWS with LCR Violations
							2013-2015		
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AL	m	7				6	0	0	0
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Grand Total		47	10	΄ φ	7	292	24	88	65

~18,000 total water systems; ~10,200 must comply

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January 29, 2018 -February 4, 2018

January 2018

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February 2018

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Monday, January 29

- 8:00am 10:00am Fwd: Georgia Chamber Energy & Natural Resources Committee (State Capitol Room TBC) - Blake Ashbee
- **1:00pm 2:00pm APTMD Staff Meeting** (128: Call in 404-562-9990. Access Code (b)(6) Banister, Beverly :
- 1:00pm 1:30pm Biweekly Meeting with Directors: Vickie Tellis (SESD) (RA's Small Conference Room) Glenn, Trey
- 1:30pm 2:30pm RCRD Staff Meeting (10B (10T65)) Ricks-Singuefield, Debra

Tuesday, January 30

■ 10:30am - 11:00am LCP Discussion (RA's Conference Room) - Glenn, Trey

10:30am - 11:30am Radon Basics Webinar (Call in: 1-202-991-0477, Conference Code (b)(6) - Milhollin, Chandler

Wednesday, January 31

- 9:00am 10:00am FW: VTC: Regional Plans w/ Regions and HQs, conference number, 1(866) 299-3188, code (b)(6) (3216 WJC-South) Bodine, Susan
- # 9:00am 9:30am Meeting with Congressman Bennie Thompson -Glenn, Trey
- 10:30am 11:00am Meeting with Congressman Palazzo Glenn, Trey
 - 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy
- 🖿 1:00pm 1:30pm Meeting with Senator Isakson Glenn, Trey
- 2:00pm 4:00pm Block Do Not Schedule

Thursday, February 1

12:30pm - 1:00pm OPA/OCIR/OPEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
Grantham, Nancy:

■ 1:00pm - 1:30pm Leadership Meeting Follow-up (RA's Conference Room) - Glenn, Trey

3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) - Richardson, RobinH

Friday, February 2

- 9:00am Peopleplus approval day
- 10:00am 10:30am General Discussion Interim FTE's (Blake's Office) Ashbee, Blake

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy:

Saturday, February 3

Sunday, February 4

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GEORGÍACHAMBER

Energy & Natural Resources Committee

of the Georgia Chamber of Commerce

2018 Energy & Natural Resources Committee Members

Name	Organization	
Bryan Batson – Co-Chairman	Southern Gas	bbatson@southernco.com
Ronny Just – Co-Chairman	Georgia Power	RDIIIST Menithernen com
Albert Edwards	Corporate Environmental Risk Management	aedwards@cerm.com
Alec Poitevint	Southeastern Minerals	alec@seminerals com
Blake Ashbee - Chief of Staff, EPA Region 4 - Observer	EPA Region 4	blake@canstonena.com
٦	Mansfield Energy	bpurvear@mansfieldoil.com
Bryan Tolar	Georgia Agribusiness Council	btolar@ga-agribusiness org
Cofield Widner	Southern Gas	WCWIDNER@southernco.com
Craig Camuso – Chair, Government Affairs Council	CSX	craig camuso@csx com
Denise Wood	Mohawk Industries	Denise Wood@mohawkind.com
Harold Reheis	Joe Tanner & Associates	haroldraheis@ioetanner.com
Heather Teilhet - Vice Chair, Government Affairs Council	Oglethorpe Power Corporation	heather teilhet@onc.com
James Marlow	Radiance Solar	iames marlow@radiancesolar com
Jason Bragg	Georgia EMC	lason hrago@georgiaemc.com
Jeffrey Harvey	Georgia Farm Bureau	jaharvev@gfh org
Joe Volpe	Geosyntec Consultants	JVolpe@Geosynter.com
Jud Turner	Gilbert Harrell Sumerford & Martin	iturner@gilbertharrelllaw com
Keely Pruett	3Ci	Keelv.pruett@3cineonle.com
Lindsay Thomas	Lindsay Thomas Consulting	lthomas@graceacresga.com
Marisa Simpson - Vice Chair - GAC Environment & Natural Resources Committee	Atlanta Gas Light	msimpson@southernco.com
Martin Peters	Yamaha Motor Corp., USA	martin peters@vamaha-motor.com
Max McBrayer	RaceTrac Petroleum	mmcbraver@racetrac.com
Mike Goeller	Stella-Jones	MGoeller@stella-jones.com
NICK Reising	NCR Corporation	nickreising@gmail.com
Robert Fairey	Cox Enterprises	robert.fairey@coxinc.com
Ryan Taylor	Ryan Taylor Architects	ryan@ryantaylorarchitects.com
Sister Ward - Chair - GAC Environment & Natural Resources Committee	Southern Gas	sward@southernco.com
Tommy Thurmond	ICF International	tommy thurmand@irf com
Toni Presnell	Oglethorpe Power Cornoration	toni prespell@ooc.com
Chamber Staff:	O	compression work
David Raynor	Georgia Chamber	draynor@gachamber.com
Cosby Johnson	Georgia Chamber	ciphoson@gachamber.com
Doug Miell	Georgia Chamber	doug@miellconsulting.com
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February 5, 2018 - February 11, 2018

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Monday,	February 5	į
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- 10:00am 10:30am General Discussion (RA Conference Room) Ashbee. Blake
- 12:00pm 12:30pm Biweekly Meeting with Directors: Beverly Banister (RA's Small Conference Room) Glenn, Trey •
- 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs
 (New Conference Line # 202-991-0477 Conference ID: (b)(6)
 Grantham, Nancy O
- **1:00pm 2:00pm APTMD Staff Meeting** (12B: 404-562-9990. Access Code (b)(6) - Banister, Beverly ○
- 1:30pm 2:30pm RCRD Staff Meeting (10B (10T65)) Ricks-Sinquefield, Debra •
- 2:00pm 3:00pm Senior Staff Meeting (Alm Room) Adm14Pruitt, Scott ○

Tuesday, February 6

- MONTGOMERY, AL (ALABAMA ENERGY DAY) Bonner, Brenda
- 11:00am 11:30am General Discussion with Anne and Ken (RA Conference room) Ashbee, Blake
- 3:30pm 4:00pm Update: Misc. Water Items (RA's Conference room) - Glenn, Trey

Wednesday, February 7

- 7:00am Belinda Leave
- 9:00am 9:30am Discussion of Lead Region for ORD (RA's Conference Room) Glenn, Trey
- # 9:15am 9:45am OEJS Weekly Huddle (Rotunda at Denise's Office
- 10:00am 10:45am All Managers Meeting (9D and 9E) Glenn, Trey
- 10:45am 11:00am Discuss DeKalb (Blake's office) Zapata, Cesar
- 11:15am 12:00pm Discussion: State Compliance Scheduling (RA's
- 2:00pm 1:00pm Discussion Business Review (Anne's Office) -
- 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs
- 1:00pm 2:00pm Meeting with HQ's ORD (Confirmed) (RA's
- 2:00pm 2:15pm ORA Discussion (RA's Conference Room) Glenn,
- 2:15pm 3:00pm ORA Discussion (RA's Conference Room) Gienn,
- 3:00pm 3:45pm Compliance Assurance Activities Briefing (RA's
- 3:30pm 4:00pm Copy: Sr Leaders call regarding potential

Thursday, February 8

- 10:00am 11:00am General Discussion with Charles Lee (R4 RA Conference room) Heard, Anne
- 12:00pm 12:30pm Updates from Ken Lapierre (RA's Conference Room) Glenn, Trey
- 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy O
- 1:15pm 1:25pm Trey to present Cynthia with retirement plaque: (9D & 9E) Hudson, Wanda
- 1:30pm 3:00pm Stakeholder Meeting: Jim Jacoby w/Jacoby Development (RA's Conference Room) Glenn, Trey
- 3:00pm 3:45pm OCIR Weekly Regional Call (3428-WJCN) Richardson, RobinH ○

Friday, February 9

- 10:00am 10:30am Response to Query for Grenada Clarion Ledger Article (RA's Conference Room. Call-in Number: 202-991-0477, conference id: (6)(6)) Heard, Anne
- 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs

 (New Conference Line # 202-991-0477 Conference ID: (b)(6)

 Grantham, Nancy ↔

Saturday, February 10

Sunday, February 11

EVENT INFORMATION SHEET

(revised as of 08/28/2017)

EVENT:	Alabama Energy Day
WHAT IS THE DEADLINE FOR	1/16/2018
ACCEPTANCE?	
WOULD YOU BE WILLING TO	No thank you.
ACCEPT A SUBSTITUTE IN THE	
EVENT MR. GLENN IS	
UNAVAILABLE? If so, what level of	
EPA representative are you looking for?	
INVITATION BY:	Energy Institute of Alabama:
Also, please provide a brief description of	Policy group whose members include Alabama
your organization.	Power, TVA, PowerSouth, Alabama Rural Electric
	Coops., Alabama Municipal Electric Authority &
	Electric Cities of Alabama
	2/6/2018
EVENT DATE:	2/0/2018
WILL MR. GLENN BE REQUIRED	No.
TO PAY A REGISTRATION FEE? If	No.
yes, please provide specifics.	
TOPIC TO BE COVERED:	Region 4 Update
TOTIC TO BE COVERED.	Trogram v s p amo
TIMEFRAME: When would you need	Arrival by 8:45 AM
Mr. Glenn to arrive and where should he	Speech 9:00 AM
report? What time would he be on the	
agenda?	
agenua:	
LOCATION: (include street address)	Alabama State House
,	11 S. Union Street
	Montgomery, Alabama 36130
INTRODUCTION BY:	Seth Hammett, Chairman of Energy Institute of
	Alabama or Alabama Representative Randy Davis
FORMAT/AGENDA (Please provide an	
agenda for the event.)	
,	
WHAT ARE YOU LOOKING FOR,	Speechx
i.e., SPEECH, POWERPOINT	Powerpoint
PRESENTATION,	Panel Member
вотн?	
PLEASE PROVIDE SPECIFICS ON	Speech: 30 minutes with Q&A (15 minutes)
HOW THE SESSION WILL FLOW,	
for example: total time allotted to Mr.	

Glenn, and if there will be questions	
afterwardExample: 30 minutes for	
speech; 15 minutes for Q&A.	
PLEASE DESCRIBE AUDIENCE/ATTENDEES:	Members of the Alabama Legislature, Energy officials from Alabama Power, TVA, PowerSouth, Alabama Rural Electric Coops., Alabama Municipal Electric Authority & Electric Cities of Alabama
PRESS/MEDIA (Indicate if open or	Closed press
closed press; if open, please provide specifics)	Closed press
BACKGROUND/COMMENTS:	
DRESS:	Business
IS THE EVENT CONSIDERED	No
FUNDRAISER OR/SPONSORSHIP?	
YES OR NO. (If Yes, please explain.)	
ARE YOU A REGISTERED LOBBYIST?	Yes
EVENT POC (AND TELEPHONE/CELL#):	Blake Hardwich – 334.235.1718 – will be at event
(Also, please include name and cell phone	·
number of someone who will be at the event)	
Internal EPA:	
EPA SPEECH POC:	
EPA SUBJECT POC:	
STAFF PERSON ACCOMPANYING RA:	
OTHER COMMENTS YOU WOULD LIKE TO PROVIDE:	

ORD Support for Region 4 February 7, 2018

Regional Science Priority and Support

- Water
 - o PFAS
 - A Cross-Agency Workgroup was developed, co-chaired by the Office of the Science Advisor and Office of Water, to coordinate PFAS activities.
 - Analytical methods are being developed and validated to detect the presence of selected PFAS in water and soil.
 - A Chemical Standards Library is being developed to include the chemical reference samples for approximately 400 different PFAS.
 - Risk-based toxicity testing methods have been developed in coordination with EPA Program and Regional offices, and Federal and State partners, including NIH.
 - Treatment technologies for removing PFAS from drinking water systems are being developed.
 - Technical support for non-targeted and targeted analyses of PFAS in the Cape Fear River.
 - o Nutrients
 - Sensor technology development
 - Satellite monitoring of HABs
 - Drinking water treatment methods
- Air
 - O Next generation air monitoring technologies are being developed.
 - O Air sensor technology and apps for monitoring health conditions during wildfires.
- Superfund
 - ORD Technical Support Centers respond to requests from EPA's program offices and regions at Superfund, RCRA, and Brownfield sites.

ORD Engagement

- ORD Regional Engagement
 - o Regional Science Liaison
 - O Superfund and Technology Liaison
 - o Regionally-focused Research Programs and Activities
 - Regional Applied Research Effort (RARE)
 - Regional Sustainable Environmental Science Research Program (RESES)
 - Regional Research Partnership Program (R2P2)
 - Regional/ORD Community of Science Networking ORD State Engagement (ROCS-NET) Program
- ORD State Engagement
 - ORD partners with:
 - Environmental Council of the States (ECOS
 - Environmental Research Institute of the States (ERIS)
 - o ORD interacts with:
 - Association of State and Territorial Health Officials (ASTHO)
 - Interstate Technology and Regulatory Council (ITRC)

Cynthia Peurifoy Retirement Celebration
Thursday, February 8, 2018, 1:00-3:00 pm
Conference Rooms 9D&E

1:00 -1:10 pm Gathering of guests and Cynthia's Entrance (music)

Retirement Program Agenda:

~1:10-2:15 pm

1:10 pm	Welcome/Opening Remarks	EJ Community Leaders
1:15 pm	Presentation of Retirement Plaque	T. Glenn & Anne Heard
1:25 pm	Words from Division Directors	B. Banister & K. Lapierre
		•••
1:35 pm	Special Recognitions	Spartanburg County
		Spartanburg Business Community
		Spartanburg Mayor's Office
1:45 pm	Intermission Special Performance	
1:50 pm	Special Presentations	Franklin Hill, Anita Davis, Harold Mitchell, Charles Lee, Denise Tennessee
2:05 pm	Closing Remarks	TBD
2:15 pm	Final Farewell	TBD

<Mingle- refreshments, music, photos, etc.>



Lead Region System

The purpose of the "Lead Region" system is to ensure organized, consistent and effective regional role in all the quality of agency decisions by providing an the major phases of Agency decision-making.



-ead Region Responsibilities

- foster open, candid, and consistent communication and collaboration among the regions and HQs
- advocate for the interests of all ten Regional Offices on a wide variety policy, resource and program-related issues
- work with HQ offices to identify and synthesize the concerns of all ten regions into a "regional view"
- develop effective ways to communicate the success and importance of national and regional programs
- systematically rotate assignments every two fiscal years & train the incoming lead region cycle



Lead Region Assignments

Lead	Assignments	Lead Region Coordinator Lead Regions	Lead Regions
Region FY 17-18			FY 19-20
-	Office of Land and Emergency Management (OLEM) (RCRA/UST)	Jeff Norcross	2
2	Office of Chemical Safety and Pollution Prevention (OCSPP)	Vickie Pane	3
က	OLEM (Superfund/ Brownfields/ Oil Pollution/ Chemical Emergency Preparedness and Prevention) + Office of Homeland Security (OHS)	Jill Lowe	4
4	1 _ L	Bobbi Carter	5
ro.	Office of Water (OW)	Kate Balasa	9
မ	Office of Environmental Information (OEI)	Kim Graves	7
7	Office of Enforcement and Compliance Assurance & Office of General Counsel (OECA/ OGC)	Sarah LaBoda (OECA) Toni Gargas & Leslie Humphrey (OGC)	æ
∞	Office of the Administrator & Office of International and Tribal Affairs (OA/ OITA)	Laura Flynn Jenkins	6
တ	Office of Air and Radiation (OAR)	Idalia Perez	10
10	Office of Administrator and Resources Management (includes OA - Office of Small Business Programs/Office of Civil Rights) Office of the Chief Financial Officer (OARM/ OCFO)	Andrea Westenberger	1
	Headquarters Lead for Lead Region Coordinators in Office of Regional Operations (ORO)	Alison Kent	



Lead Region for ORD & RS&T Priorities FY17-18

- ➤ STPC Representation
- Regional Science Hub Workgroup Lead
 - ► Lab Enterprise HQ Workgroup
 - Lab Business Case (Co-Chair)
- CWA Labs & Program Support
 - ➤ State Engagement
- Lab Consolidation / Leased Lab Workgroup
 - Communication of ORD Developmental & Grant Programs and ORD products to the Regions
 - ➤ RS&T Representation to HQ

R4 Science Needs/Issues/Priorities as of 1/8/18

Superfund

- 1. Develop/issue toxicity values for PFAS (and, similarly Gen X) individual compounds or, alternatively a toxicity equivalent quotient for a group of PFAS's. As this emerging contaminant group becomes a more common requested analysis, determining what the data means for action decisions becomes more urgent. Additionally, the physical and chemical properties of PFAS's for analysis of fate and transport in groundwater and indoor air also should be developed and issued.
- 2. Develop updated asbestos sampling and analysis methodologies for soil. The current sampling and analysis recommendation is to perform activity-based sampling which can be both expensive and impractical. A correlation of soil concentrations and air concentrations measured by fluidized-bed analysis would allow for more cost-effective analysis.
- 3. Lead development/compilation of quantitative or semi-quantitative approaches for optimization of sampling frequency in groundwater and surface water to provide improved consistency in sampling and analysis for long-term monitoring. In coordination with the OSRTI optimization program, this has the potential to both save funding and ensure that important data is not missed.

Water Protection Division

- 1. Emergent Unregulated Contaminants This includes PFOA/PFOS and Gen X. Our need is to quickly develop methods to determine allowable concentrations of these chemicals in discharges to ensure downstream drinking water intakes remain below health advisory levels. Also, determine technology needed to remove shorter chain PFAS from drinking water and for surface water discharges.
 - O Point-of-Use drinking water treatment for emerging contaminants (ex. PFCs or cyanotoxins, anything on UCMR): Water system detection of unregulated contaminants at levels that exceed health advisories causes panic for consumers. Identification of effective POU treatment can provide a meaningful option for public health protection in this increasingly common situation.
 - O Updates on unregulated contaminant research: It would be great if ORD could create fact sheets for unregulated contaminants that they are researching. I think they are conducting research on some of the named compounds in UCMR 3 and 4. If they could update the fact sheets periodically with study results, that would be helpful. We have received some requests from concerned citizens asking for more information about UCMR contaminants like Cr^6. If the fact sheets could contain information about where their studies are being conducted, MCL, health advisory for the state or region, and health impacts at the levels they are seeing in their research. It would be great if EPA folks had a fact sheet/study profile to distribute to the public

- 2. Nutrients Affordable and effective technologies to retrofit existing types of municipal wastewater treatment systems for nutrient removal to achieve ecoregion-based reference criteria. This would include innovative and cost-effective nutrient removal technologies to meet very low limits with minimal carbon footprint.
- 3. Wet weather, Pathogen removal research cost-effective peak wet weather management approaches for wastewater treatment plants and combined sewer system outfall treatment facilities with the purpose of meeting pathogen permit limits, water quality standards, and avoid wastewater treatment bypasses. This research should also include municipal stormwater discharges.

RCRA

- PFAS Develop toxicity values and determine physical and chemical properties for PFAS compounds of concern to better inform state and federal decision-making under RCRA at sites generating PFAS waste or with existing PFAS contamination. PFAS compounds are increasingly being found in the environment in all media. Fate and transport mechanisms, as well as remedial technology options, are not well understood for these compounds.
- 2. PCBs Develop and implement a comparison study to evaluate the equivalence of alternate SW-846 extraction methods to those specified in 40 CFR Part 761 for PCB bulk product waste and non-liquid PCB remediation waste (3540C and 3550C). Such an evaluation could form the basis for an update to the PCB regulations or a policy statement that would allow the use of newer extraction methods that are more widely available and generate less laboratory waste. An added benefit of the study would be less confusion on the part of the regulated community and faster PCB cleanups.
- 3. 1, 4 Dioxane (I am waiting for specific needs from RCRA on this)

APTMD

- 1. Support for Agency's PFAS Workgroup's research needs, in support of our efforts stemming from GenX concerns in the Fayetteville, NC, area. For example, the Region is in need of support for toxicity value development for priority/emerging Per- and Polyfluoroalkyl Substances (PFAS), research into air emissions inventories, ambient air and air emission stack testing and associated analytical development, and environmental fate/transport (e.g., atmospheric chemistry, deposition, modeling, etc.) and exposure assessment for airborne PFAS.
- 2. Support for continued research on next generation air monitoring -- specifically lower-cost air sensors. Region 4 and our state/local/tribal air quality agencies are interested in building capacity for better understanding air quality sensors, including understanding local air quality concerns and the utility of sensors for citizen use,

- including lowering the cost of air quality studies. For example, EPA is currently collaborating with ORD on an ozone study in Louisville, KY.
- 3. Data analysis for improved modeling of wildland fires and their impacts. We have been working with Kirk Baker at OAQPS and a number of ORD researchers on RARE and RESES proposals related to these issues and are planning to submit the proposals in the 2018 RARE and RESES grant cycle.

NEIs

NEI Name: Reduce Air Pollutants from the Largest Sources of Air Pollution

NEI Start Date (FY): FY 2004

Primary Sectors or Focus Areas: NSR/PSD investigations to determine operational or physical modifications at a source that should have applied for a Best Available Control Technology permit.

Region 4 Progress to date: The NEI is completed in Region 4.

Sector	Universe	Cases in DOJ	Consent Decree Monitoring	% Non- compliance	Pollutant Reductions (tons)
Glass	22	3	4	32%	1,623
Acid	24	6	5	46%	8,530
Cement	20	2	6	40%	50
Coal-fired Utilities	284 units/100 power plants	0	8		3,830,856

FY18 Activities: Negotiations of judicial cases and monitoring of Consent Decrees is ongoing

NEI Name: Cutting Hazardous Air Pollutants

NEI Start Date (FY): FY 2004

Primary Sectors or Focus Areas: This NEI historically directed activities across a select sector.

There are 80 major source sectors each with a specific technology regulatory standard. There are 187 hazardous air pollutants under the Clean Air Act.

Region 4 evaluated the Pharmaceutical Maximum Control Technology Standard (MACT) and Secondary Aluminum MACT sector and found significant noncompliance.

Current directive allows for inspection/enforcement at any air toxics source for evaluating:

Excess Emissions

- Flaring

Region 4 Progress to date: Region 4 is currently focusing on:

- Miscellaneous Organic National Emission Standard for Hazardous Air Pollutants MON).
- Organic Liquid Storage Tanks

Inspected 42 MON sources to date and issued one administrative order.

<u>FY18 Activities:</u> Currently there are 14 open investigations ongoing. There are 10 inspections and 4 addressing actions planned for FY 2018.

NEI Name: RCRA Air Emissions

NEI Start Date (FY): FY17

Primary Sectors or Focus Areas: Organic Air Emissions (RCRA Subpart AA, BB, and CC)

Under this NEI, the EPA will focus its air pollution reduction efforts on organic liquid storage tanks and/or air emissions from the handling of hazardous wastes. The EPA believes that large storage tanks can be significant sources of excess air emissions at many sites, including terminals, refineries, and chemical plants. The problems identified with large storage tanks include inadequate maintenance, design flaws and expansion of production volumes without corresponding increases in emissions control.

With regard to hazardous waste air emissions, the EPA has observed violations involving the improper use of monitoring and control devices by facilities, resulting in releases of emissions from RCRA regulated units. The EPA is particularly concerned about toxic air emissions resulting from the handling of hazardous waste at treatment, storage and disposal facilities and large quantity generators that fail to properly control hazardous waste air releases.

The EPA, using tools such as an IR camera, has been able to identify leaks and releases that in the past may have gone undetected. Many of the states do not have access to such equipment and lack the knowledge or training to conduct such inspections.

Region 4 Progress to date:

Training for regional personnel (skills, health and safety)

Equipment purchase

First round of inspections complete (FY17)

First major enforcement case (near settlement)

FY18 activities:

17 Compliance Evaluation Inspections planned (12% of all inspections)

State training and capacity building

NEI Name: Ensuring Energy Extraction Activities Comply with Environmental Laws

NEI Start Date (FY): FY2008

Primary Sectors or Focus Areas: Land-based gas wells and processing plants in Kentucky, Mississippi, and Alabama

Region 4 Progress to date: Inspected all processing plants (15) and 80 well sites.

Pursued non-penalty enforcement at eight facilities to repair leaks of volatile organic compounds based on results from the infrared camera. Generally using the General Duty Clause authority under the Clean Air Act which is not delegable.

FY18 activities: There are 3 inspections and 6 addressing actions planned in FY 2018.

Region 4 is phasing out of the NEI this fiscal year.

NEI Name: Chemical Accident Risk Reduction (CARR)

NEI Start Date (FY): FY17

Primary Sectors or Focus Areas: Ammonia Refrigeration, Chemical Manufacturing, Gas Processing, Fertilizer Distribution, Petroleum Refineries

Region 4 Progress to date:

FY17 - Region 4 conducted 31 NEI CARR Inspections:

- Ammonia Refrigeration 23 (Approx. 6% of R4 universe of 433)
- Chemical Manufacturing 8 (Approx. 13% of R4 universe of 63)
 - o Includes one (1) FF (Holston Army Ammunition Plant)

FY18 – Region 4 conducted 3 NEI CARR Inspections (to date)

Evaluations and Actions in FY17:

- Region 4 performed 31 CARR NEI compliance evaluations.
- Region 4 developed 30 enforcement cases (ongoing)
- participated in a multi-Regional NEI CARR case (Dean Foods)
- developed a multi-State NEI CARR case (Peco Foods)

FY18 activities: Inspections

- Ammonia Refrigeration 6 (Approx. 2 % of R4 universe of 433)
- Gas Processing 2 (Approx. 7% of R4 universe of 30)
- Fertilizer Distribution 10 (Approx. 10% of R4 universe of 100)
- Chemical Manufacturing 6 (Approx. 10% of R4 universe of 63)

NEI Name: <u>Keeping Raw Sewage and Contaminated Stormwater Out of Our Nations's</u>
Waters

NEI Start Date (FY): FY04

Primary Sectors or Focus Areas:

Combined Sewer Systems (CSS) serving a population $\geq 50,000$

Sanitary Sewer Systems (SSS) with wastewater flow ≥ 10 mgd/day

Phase I Municipal Separate Stormwater Sewer Systems (MS4)

Region 4 Progress to date:

CSS: All 24 CSS, regardless of size, have been addressed by federal or state action

SSS: 153/155 addressed

MS4: Assessments completed for FL, KY, MS, and NC

FY18 activities:

CSS: Monitoring 5 open federal consent decrees

Consent decree amendment for SD1 (KY)

SSS: Negotiating 2 federal consent decrees

Hattiesburg, MS Meridian, MS

Monitoring 13 open federal consent decrees

Inspections planned

Jackson, MS (State led) DeKalb County, GA Cape Fear PUA, NC

Monitoring 16 open administrative orders

MS4: FY18 ACS commitment of 14 assessments, to be conducted in GA and AL

NEI Name: Preventing Animal Waste from Contaminating Surface and Ground Water

NEI Start Date (FY): FY04

Primary Sectors or Focus Areas: Dairies and horse tracks

Region 4 Progress to date:

Date	Inspections	Enforcement Actions
FY13	1	
FY14	1	
FY15	10	
FY16	11	A&E Livestock Administrative Order
FY17	8	Gulfstream Consent Decree

FY18 activities:

Tampa Bay Downs - continued investigation; awaiting response to 6/15/2017 308 request

Committed to 8 inspections; FY18 ACS measure no longer active

NEI Name: Keeping Industrial Pollutants Out of the Nation's Waters

NEI Start Date (FY): FY17

Primary Sectors or Focus Areas: Chemical Manufacturing

Food Manufacturing

Primary Metals Manufacturing

Mining

Region 4 Progress to date:

33 High Priority Facilities (HPF) identified – all facilities are direct dischargers of wastewater; facilities subject to pretreatment requirements or discharging stormwater only were not included in initial evaluation

3 inspections conducted at HPF (GA, KY, SC); 5 industrial stormwater inspections at mining facilities (GA)

FY18 activities:

Refining HPFL based on more recent DMR data

Inspections: FY18 ACS commitment = 10

1 inspection conducted at Chemours Mine (HPF), 3 additional inspections at facilities owned by parent company

Addressing Actions: FY18 ACS commitment = 4

Evaluating results from 3 FY17 inspections (GA, KY, SC)

Nyrstar zinc mining facilities - TN will take lead

Chemours mining facilities - FL will take lead



Overview of US EPA's Office of Research and Development (ORD)

Jennifer Orme-Zavaleta

Principal Deputy Assistant Administrator for Science

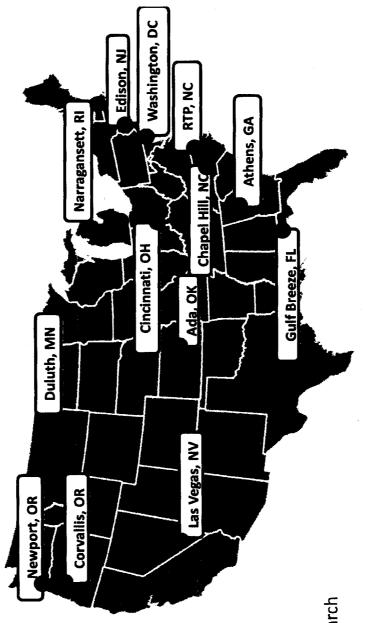
February 7, 2018



ORD At A Glance

Our Mission

Provide the science, technical support, technology and tools to inform US EPA's mission to protect public health and the environment.



1,704 full time equivalents \$498 million budget

\$28 million extramural research grant program (STAR)

13 research facilities

(FY 2017 Enacted Budget)

ORD Organizational Chart

of the Assistant Administrator Immediate Office

Science Advisor Office of the

Office of Science Policy

National Research

Programs

Office of Science Information Management

Office of Program Accountability and Resource Management

Office of Administration and Research Support

National Health and **Environmental**

National Exposure

Research Lab

Effects Research Lab

Management Research National Risk

Lab

National Center

National Center for Environmental

for Computational

Toxicology

Assessment

National Homeland

Security Research

for Environmental National Center

Research



Research Authorization

US EPA's research provides science that is authorized by nearly 50 environmental laws including:

- necessary to carry out the purposes of this Act. The Administrator may enter into contracts Toxic Substances Control Act: "conduct such research, development, and monitoring as is and may make grants for research, development, and monitoring under this subsection."
- other impairments of man resulting directly or indirectly from contaminants in water, or to the causes, diagnosis, treatment, control, and prevention of physical and mental diseases and Safe Drinking Water Act: "conduct research, studies, and demonstrations relating to the provision of a dependably safe supply of drinking water."
- Comprehensive Environmental Response, Compensation, and Liability Act: "shall assure the initiation of a program of research designed to determine the health effects (and techniques for development of methods to determine such health effects) of such substance...and in combination with other substances with which it is commonly found."
- Clean Air Act: "shall establish a national research and development program for the prevention and control of air pollution."



ORD Research

ORD provides the scientific foundation for US EPA to execute its mandate to protect human health and the environment.

- Longer Term Research: Conducts innovative and anticipatory research applied to range of US EPA program and regional needs to solve longer term environmental challenges and provide the basis of future environmental protection.
- Research on Specific Environmental Challenges: Experts provide research support to US EPA program and regional offices, as well as states, tribes and communities, to help them respond to contemporary environmental challenges.
- national officials come to us for technical support to respond to environmental Technical and Emergency Support: Because of our expertise, local, state and crises and needs, large and small. ښ



Research Programs

Air and Energy

- ·Air pollution
- •Modeling and decision support tools

Chemical Safety for Sustainability

- Computational toxicology and exposure
- Evaluation of risk across life cycle of manufactured chemicals, materials and products

Sustainable & Healthy Communities

- Ecosystem services
- Human health
- Sustainable materials management

Human Health Risk Assessment

- Risk assessments for specific comments
- Risk assesment methods

Homeland Security



Safe & Sustainable Water Resources

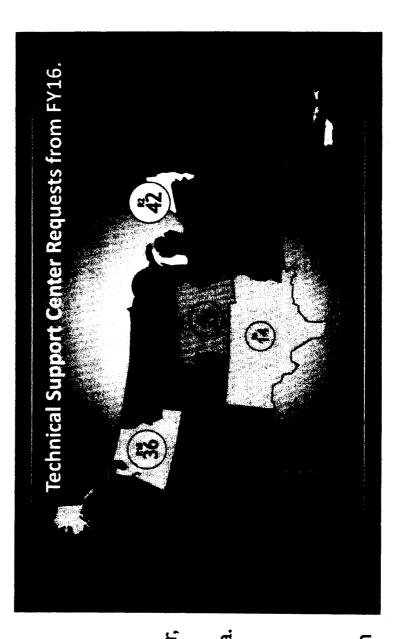
- Drinking water treatment systems
- Surface water quality
- Green infrastructure



Technical Support Centers

ORD has Technical Support Centers that respond to requests from EPA's program offices and regions at Superfund, Resource Conservation & Recovery Act (RCRA), and Brownfields sites.

For example, historical chemical manufacturing operations at a site in Riegelwood, North Carolina, have resulted in contaminated groundwater, surface water, soil, sediment, and aquatic biota. ORD centers reviewed data collected from the site and made recommendations for additional testing to inform cleanup decisions.





State Engagement

State Research Needs

Through a series of state meetings and ECOS/Environmental Research Institute of the States address their on the ground problems. (ERIS) surveys, ORD better understands the science needs of state environmental agencies. This information helps ORD ensure that our research is useful and practical for states to help

ECOS and ORD: Partners for Meeting State Research Needs, Sept 2017

This most recent summary compiles 78 stories of how ORD's work during the past 5 years has supported states in their efforts to protect human health and the environment.

Health Officials (ASTHO), April 2016 Memorandum of Agreement with ECOS and the Association of State and Territorial

- Two ORD pilots with state partners on the Wildfire Smoke Guide for Public Health Officials and EPA's Community-Focused Exposure and Risk Screening Tool (C-FERST) in 2016/17.
- New project compiling state case studies as fact sheets with the goal to better understand how participating state agencies manage their PFAS and HABs risk communication to the

Webinars on Research Products and Tools

EPA Tools & Resources monthly series addresses state identified priority areas and provides a mechanism for state input on ORD research (initiated Jan 2016).



"When we were faced with an emergency in Toledo due to cyanobacterial toxins detected in their treated drinking water, ORD staff was a great partner and exceeded our expectations in understanding science and helping optimize treatment and restore safe drinking water to our residents."—

Ohio EPA Director Craig Butler

Outreach and Collaboration

Over the past 6 years, hosted ECOS members and other state officials to visit ORD labs to share our scientific capabilities and discuss research topics of interest to states.

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February 12, 2018 - February 18, 2018

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Monday, February 12

- 10:30am 11:00am (Call-in added) General Discussion Lowndes County, AL (RA Conference room) - Ashbee, Blake
 - 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy
- 1:00pm 2:00pm APTMD Staff Meeting (12B: Call in number 404-562-9990, Access Code (b)(6) Banister, Beverly ©
- 1:00pm 1:30pm Biweekly Meeting with Directors: Vickie Tellis (SESD) (RA's Small Conference Room) Glenn, Trey
- 1:30pm 2:30pm RCRD Staff Meeting (10B (10T65)) Ricks-Singuefield, Debra :
- 2:00pm 3:00pm Copy: Senior Staff Meeting (Alm Room) -Adm14Pruitt, Scott
- 3:30pm 4:00pm Biweekly Meeting with Directors: Leif Palmer (RA's Small Conference Room) Glenn, Trey

Tuesday, February 13

- 8:00em People Plus early approval
- 8:05am Belinda telework
- 1:00pm 5:00pm February's Regional Monthly Review (RA's Conference Room) Glenn, Trey

2:00pm - 3:00pm Training on EPA's Desktop Library (Room 13B) - Pratt, Marirose

2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC - North New call in #: 202-991-0477 Conference Code: (b)(6) Grantham, Nancy

Wednesday, February 14

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
Grantham, Nancy

Thursday, February 15

Meeting @ EPA HQ's Itinerary (Washington DC) - Glenn, Trey

- 10:30am 11:00am Sponsorship Discussion (Blake's Office) Tellis, Vickie
 - 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
 Grantham, Nancy
- 1:00pm 3:00pm Alan Farmer's Retirement Send-off- Rescheduled Event, February 15, 2018, 1-3pm (9D&E) - Park, Susan
- *** 3:00pm 4:00pm RESCHEDULED GSU/CUPP RECOGNITION CEREMONY EAST POINT (RA's Conference Room) Burns, Michael 3:00pm 3:45pm OCIR Weekly Regional Call (3428-WJCN) Richardson, RobinH -
- **4:00pm 4:30pm 35th Ave. Briefing Call** (202-991-0477; (b)(6) Ashbee, Blake

Friday, February 16

Settlem Flewinder Reople Plus Approval Day

9:00am - Peoplepius approval day

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy Saturday, February 17

Sunday, February 18

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Meeting with the Administrator Washington, D.C. February 15-16, 2018

Additional Region 4 Staff:

<u>Name</u> None	Telephone #	Transportation Public Transportation will be utilized

Thursday, February 15, 2018

FLIGHT:

Leave: Atlanta via Delta 1531 at 11:10 am

Arrive: Washington, D.C at 12:52 pm

Seat: 19C

Confirmation Number: JKRYGF

Hotel:

JW Marriott

1331Pennsylvania Ave NW

Washington, D.C. 20004 Phone: (202) 393-2000

Check-in: Thursday, February 15th after 3 pm Check-out: Friday, February 16th by Noon

Confirmation Number: 84332719

M&IE

2/15/2018

\$51.75

2/16/2018

\$51.75

3:15-4:00 pm

404 Assumptions & Army Corps

Administrator's Office

Meeting with the Administrator Washington, D.C. February 15-16, 2018

Friday, February 16, 2018

FLIGHT:

Leave: Washington, D.C. via Delta 639 at 8:00 am

Arrive: Atlanta at 9:57 am

Seat: 36D

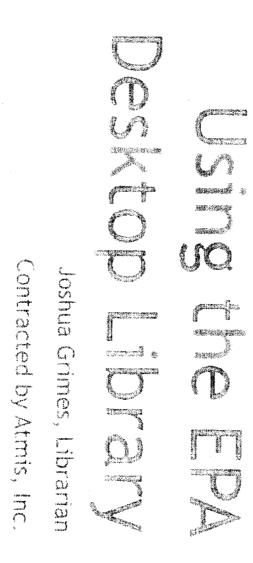
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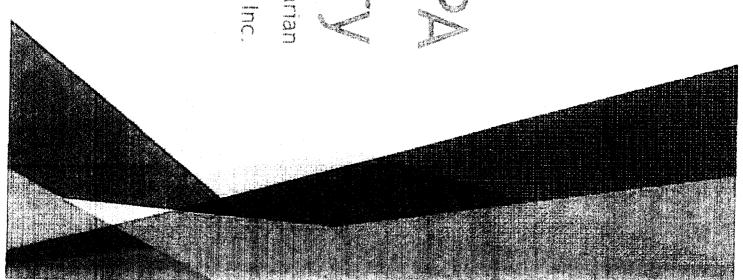
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For all other travel issue contact: EPA Travel (513) 487-2346

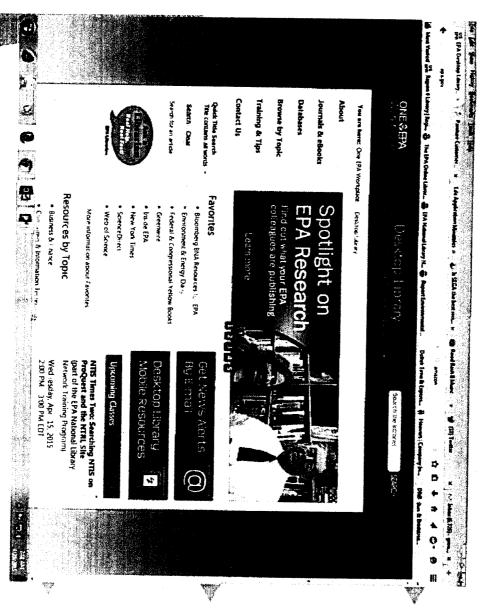
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35th Avenue Site Activities Summary – Birmingham, Alabama





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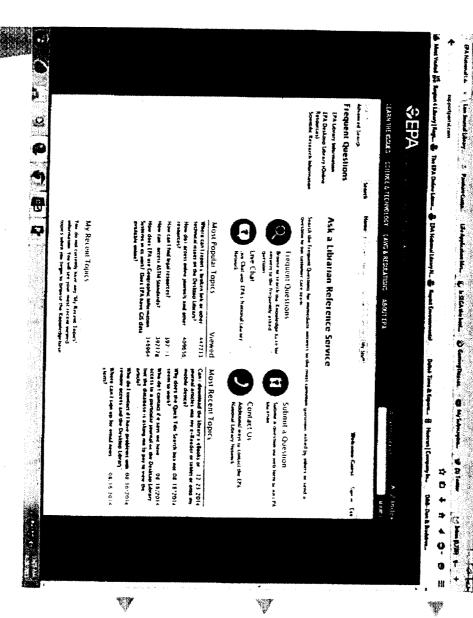
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Resources are grouped accord to Topic, Journal Databases, and Resources

The "Ask-a-Librarian" service also available fron the front page

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The Ask-a-Libi service is proving free of charge National Library Network

Questions can be submitted through email, Live Chat, through phone call

A Knowledge Base is available to answer frequently asked questions

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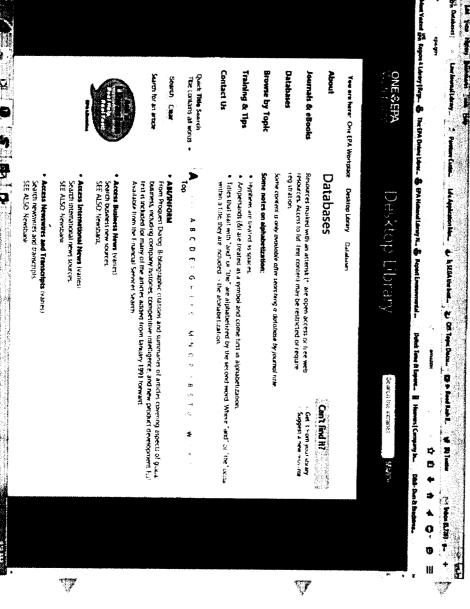
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Various subject categories are available, includ the arts, business history, languages law, and social sciences

Various resources freely available

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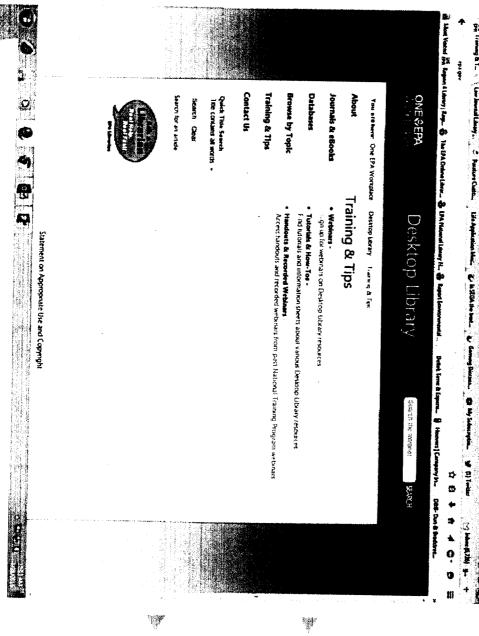


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These subjects range from Sciences, Arts, Languages, Medicanguages, Medicanguages, Medicanguages, Society, Law, and US Government

Access is also provided free charge

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Tutorials a provided, insight as to use the Desk Library

Webinars, as as help for speresources, are accessible

Additionally, the Ask-a-Librarian training is available

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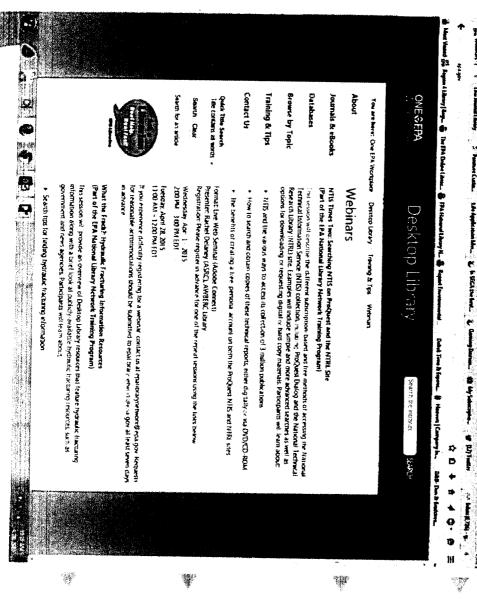
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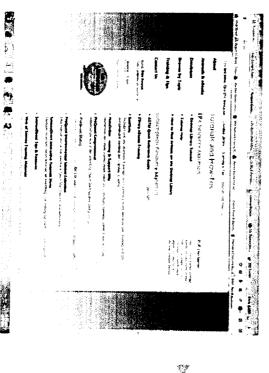
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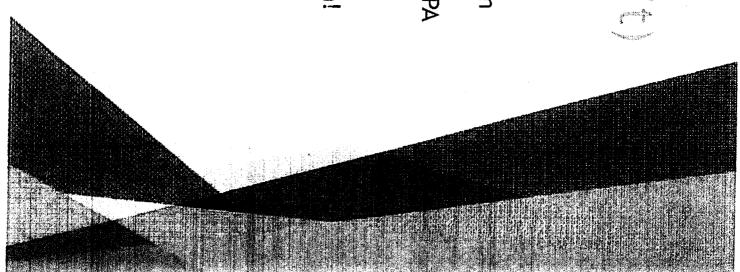
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are available as well Or, just ask the Librarian!

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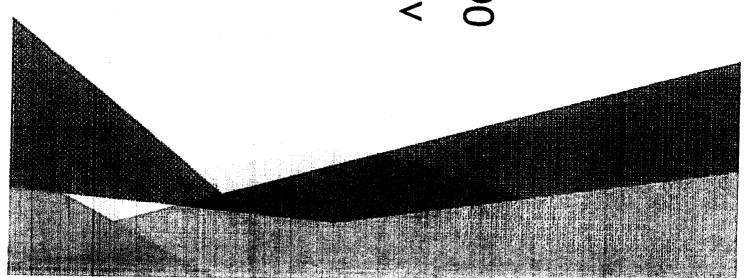


- Tutorials are varied in nature and contain resources from the EPA and outside vendors
- Materials are update often, so check often!



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- Circulation Desk: 404-562-8190
- Email: grimes.Joshua@epa.gov





FOR IMMEDIATE RELEASE

Wednesday, November 29, 2017

Media Contact:

Shannon Wiggins
Public Information Officer
404.270.7126 (office)
470.382.8501 (cell)
swiggins@EastPointCity.org

Georgia State University Students Improve East Point's Network Security Posture

EAST POINT, GA- The City of East Point's network security posture is much safer now thanks to undergraduate students at Georgia State University (GSU). East Point's Information Technology Director, Farhad Islam, worked with a group of students in GSU's J. Mack Robinson College of Business for four months to rewrite the City of East Point's IT policy. These students are:

Julie Antonio Amira Farah Whitney Henley Taylor Lee Josue Legentus

These graduating seniors are working on a System Development Project as part of their capstone course in Robinson's Department of Computer Information Systems (CIS) which is ranked #10 in the nation by U.S. News & World Report. This course requires students to meet with clients during normal business hours to help solve complex problems and gain experience working as part of a team. Robinson's CIS undergraduate program partnered with the United States Environmental Protection Agency's College/Underserved Community Partnership Program (CUPP) for their students to gain experience in Information Technology through real-world experience. GSU Senior, Josue Legentus says the project has been an eye-opening experience for him.

"I will be working with Deloitte to do some consulting and I feel that this project is going to help me know what to expect in consulting," said Josue Legentus. "More cities should be open to letting GSU seniors work with them to solve their problems."

CUPP provides a creative approach to partnering and delivering technical assistance to small underserved communities from local colleges and universities at no cost to the communities. Students in this program benefit by utilizing their learned curriculum to gain practical experience that can serve as a resume builder, while earning course credits through their academic institution. Thanks to the program, GSU senior, Taylor Lee, feels he is one step closer to becoming a future IT Director.



"This was my first time working in a real IT environment," said Taylor Lee. "The job that Mr. Islam has is my dream job. This capstone project wasn't as scary as I thought it would be. It actually confirmed that this is the field that I want to go into as a career."

The students identified weaknesses in the City of East Point's IT policy through a series of meetings and interviews. They also developed cybersecurity training as part of the City's orientation process for new employees. New employees will be oriented on cybersecurity threats, malwares, detecting viruses, and how to seek help. GSU senior, Julie Antonio, says it was great to apply the business theories she learned in her classes into her capstone project.

"This opportunity with the City of East Point was great because of its hands-on experience," said Julie Antonio. "I was able to get valuable feedback from Mr. Islam and learn from it. My favorite part was interacting with the other IT members in the City of East Point for the risk analysis."

In October, East Point's IT Director, Farhad Islam, was certified as a Government Chief Information Officer and was recognized for his certification during the Georgia Government Management Information Sciences conference in Savannah. At the conference, he presented the work done in collaboration with GSU's students. Copies of the policies and training methods developed by GSU's students and Islam will be utilized as a baseline for adopting and implementing cybersecurity frameworks by various cities and counties throughout the state of Georgia. Islam says the City of East Point benefited greatly from their work.

"GSU's students have been instrumental in updating and rewriting the City's IT policies and procedures to meet the changing landscape of cybersecurity," said Farhad Islam, IT Director for the City of East Point. "They focused on people, processes, and technologies to address IT security issues relevant to protecting the City's key infrastructures. They worked as a team to develop a security training framework and performed risk and SWOT (Strengths, Weaknesses, Opportunities, and Threats) analysis of existing systems and applications in order to identify vulnerabilities and make recommendations on fixes. They learned a great deal from this engagement and the City benefited immensely from their effort and service."

Picture attached separately

(Pictured Left to Right are: Whitney Henley, Amira Farah, Farhad Islam, Josue Legentus, Julie Antonio, and Taylor Lee)

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About The City of East Point

The City of East Point is approximately 13.8 miles with a population of over 33,000. Located southwest of Atlanta, East Point is conveniently located minutes away from Hartsfield-Jackson International Airport. This quaint urban community's prime location, numerous retail, and great restaurants make it an attractive place for a "live-work-play-shop" environment. For more information about the City of East



Point visit <u>www.eastpointcity.org</u>. Also like us on Facebook at <u>www.facebook.com/cityofeastpoint/</u> and follow us on twitter @cityofeastpoint, snapchat @cityofeastpoint, or instagram @cityofeastpoint.

About the Georgia State University, Department of Computer Information Systems

The Department of Computer Information Systems in the J. Mack Robinson College of Business at Georgia State University pushes the boundaries of traditional classrooms and conventional ways of delivering content—providing a real work context and first-hand experiences. The department offers nationally recognized undergraduate and graduate programs designed to seize opportunities of today—taking a fresh approach to business school by reimagining ways to help students and businesses solve problems that impact individuals, organizations and society. For more information, please visit http://cis.robinson.gsu.edu or follow us on Twitter and Instagram @gsu_cis, or like us on Facebook at www.facebook.com/cis.gsu.

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Region 4 Monthly Business Review

February 13, 2018 - 1:00 PM - 5:00 PM

AGENDA

1.	Opening Remarks		T. Glenn
2.	Background - Performance Scorecard and Submission Process	S	D. Fifadara
3.	Performance Metric Review		D. Fifadara
	[#1] Number of SIPS on Backlog [#2] Number of Non-Attainment Areas [#3] Superfund Sites RAU [#4] Brownfields Sites RAU [#5] RCRA Corrective Action Sites RAU [#6] LUST Cleanups That Meet Risk Based Standards [#7] Significant Non-Compliance Rate Water [#8] Number of Permit Applications Older Than 6 Months [#9] Non-Federal Dollars Leveraged by Federal Investment [#10] Number of Grant Commitments Not Achieved [#11] Number of Alternative Joint Governance Approaches Implemented [#12] Number of FOIA Requests Exceeding Deadline Without Extension Agreement [#13] Average Time Between Violation and Correction [#14] Timeliness of Written Response to Written State and Tribal Requests - TMDLs [#15] Timeliness of Written Response to Written State and Tribal Requests - Permit Reviews [#16] Timeliness of Written Response to Written State and Tribal Requests - Primacy Requests [#17] 2018 FTE Target - Utilization	APTMD APTMD SFD RCRD RCRD RCRD WPD APTMD, WF OPM OPM, WPD OPM OEC, RCRD, WPD APTMD, W APTMD, W OPM	APTMD, WPD PD, RCRD PD, RCRD
4	1. Status of Funds		K. Eubanks
5	5. Additional Measures Recommended for RA to Report to HC		All Divisions
6	5. Additional Measures Recommended for RA – Not to Report	t to HQ	All Divisions
	7. Review of Action Items and Wrap-up		D. Fifadara
:	8. Closing Comments		T. Glenn

Next Meeting: Tuesday, March 13th, 2018 - 9:00 AM - 1:00 PM

February 19, 2018 - February 25, 2018

February 2018

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March 2018

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Monday, February 19 President's Day - Hudson, Wanda 12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (D)(6) Grantham, Nancy ○ 2:00pm - 3:00pm Copy: Senior Staff Meeting (Alm Room) - Adm14Pruitt, Scott ○	Tuesday, February 20 9:00am - 10:00am DisAbility Awareness Refresher Training (Open Invite for Details Please) (9D & E) - Robertson, Veronica 12:00pm - 12:30pm Region 4 National Award Nominations (RA's Conference Room (immediately following Staff meeting)) - Glenn, Trey 12:30pm - 1:00pm Biweekly Meeting with Directors: Beverly Banister (RA's Small Conference Room) - Glenn, Trey 12:30pm - 12:50pm EJ Structure (RA's Private Conference Room) - Glenn, Trey 1:00pm - 2:00pm APTMD Staff Meeting (12B: Call in number 404-562-9990. Access Code (D)(G) Banister, Beverly (D) 1:00pm - 1:45pm Oakridge Briefing (RA's Conference Room (404) 562-9997 Code: (D)(G) Glenn, Trey 1:30pm - 2:30pm RCRD Staff Meeting (10B (10T65)) - Ricks-Sinquefield, Debra (D) 3:30pm - 4:00pm Biweekly Meeting with Director: Franklin Hill
Wednesday, February 21	Thursday, February 22
12:00am Wanda - Leave - Hudson, Wanda →	← Wanda - Leave - Hudson, Wanda
12:00am Florida Stakeholder's Meeting (Tallahassee, FL) - Glenn, →	← 12:00am Florida Stakeholder's Meeting (Tallahassee, FL) - Glenn,
Trey 8:00am - 12:00pm Hold 12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy ○ 1:00pm - 1:45pm General Discussion - SENRLG Debrief (RA Conference Room) - Heard, Anne	9:00am - 11:00am Deputy Team Meeting (To Be Determined) - 9:30am - 11:30am Supervisory Update Session 13: Thur. Feb 22, 9:30am - 10:00am Briefing MS Phosphate (RA's Conference Room ~ 10:00am - 10:45am Briefing-Mary Walker (RA Office) - Glenn, Trey 11:00am - 12:00pm BF Goodrich Briefing (RA's Conference Room) - 12:30pm - 1:00pm MFG Enforcement Case (RA's Conference Room) 1:00pm - 1:15pm Briefing-SF Cost Accounting (RA Office) - Glenn, 1:00pm - 1:30pm OPA/OCIR/OPEEE Conference Call with PADs 1:15pm - 1:45pm SD1 Briefing (RA's Conference Room) - Glenn, Trey 2:00pm - 3:00pm R4/OLEM/OECA Discussion re Proposed Plan for 3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) - 3:15pm - 4:15pm Reorg r4 ORA (Teleconference - See Call-in
Friday, February 23	Saturday, February 24
+ 12:00am Wanda - Leave - Hudson, Wanda 12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) - Grantham, Nancy 1:30pm - 2:00pm doc	
	Sunday, February 25

DISABILITY AWARENESS

"INCLUSION DRIVES INNOVATION"

- Schedule A
- "Inclusion Drives Innovation"
- Reasonable Accommodations
- Section 508

Contact Veronica Robertson (x28389) or Renee Wootson (x28241)





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Environmental Management Disposal Facility DOE Oak Ridge Superfund Site **Proposed Plan Briefing**

February 22, 2018 Region 4

Oak Ridge Operational Landfills



Oak Ridge has disposed of wastes at several Y-12 landfills. Currently DOE operates:

- Three TDEC-RCRA (Subtitle D) regulated landfills
- One CERCLA landfill (EMWMF)



Scope and Role of this Operable Unit

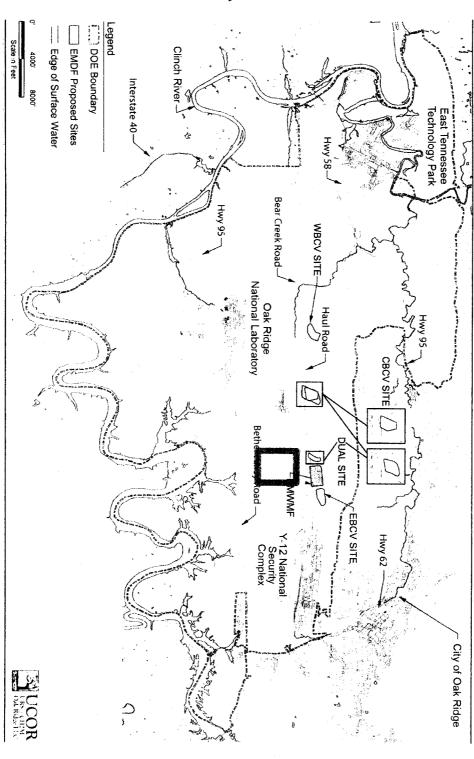


- that DOE has made, or will make, that are actual responses to releases or This Operable Unit has been established in a nonconventional way. It is an threatened releases at the site evaluation of waste disposal alternatives that is discrete from the decisions
- does not address many aspects of the responses that will generate the Other than providing disposal capacity for those other response actions, it
- generate waste for disposal Some of the conventional elements of a CERCLA RI/FS and proposed plan identification of Remedial Action Objectives and establishing cleanup levels are not well adapted. Examples of this include risk assessment, These items are addressed in decision documents for remedies that
- where a ROD was issued to create a CERCLA landfill in 1995, and has since been used at Oak Ridge and pursued at other DOE sites There are precedents for this approach. It was first used at the Hanford site

New Environmental isposal Facility Wanagement



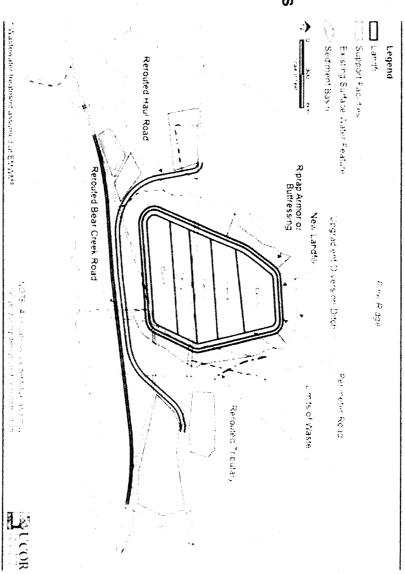
Following
evaluation of
several locations
DOE is proposing
to construct
another CERCLA
landfill for
hazardous, TSCA
and low level
waste at the
Central Bear
Creek Valley
location
(CBCV - Site 7c)



New Environmental Disposal Facility Management



- Size of the facility 67 acres at closure
- Size of the five waste cells 23 acres (four to five acres/cell)
- Estimate costs (Millions):
- Capital Cost \$683.8
- Long-term maintenance \$45.7
- Present worth \$537.2
- Estimated volume of waste and fill 2.2 million cubic yards
- Estimated landfill life 22 years



New Environmental Management isposal Facility



If Site 7c is approved then milestones include:

1) Construction start: 2021

2) EMDF waste operations begin: 2023

3) EMDF Operations terminate: 2044

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	Long-term Monitoring and Maintenance	EMUF Operations		Final Capping and Facility Closure	Construction (Cell 5)		Construction (Cells 3 and 4)	Construction (Cells 1 and 2)		Site Development		Design (RDR/RAWP)		EMWMF Operations		Record of Decision Approval		Characterization		RI/FS Development, Proposed Plan, Record of Decision	Activity
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Basis for Action



EMDF CERCLA waste disposal consolidates unacceptable risk to Human Health and Environment

- Isolates waste associated with individual CERCLA sources from possible receptors
- Centralizes waste disposal at one location
- Provides engineered measures to protect public from contamination and provides groundwater monitoring for long-term protection

Hazardous Substances Present in Waste Stream:

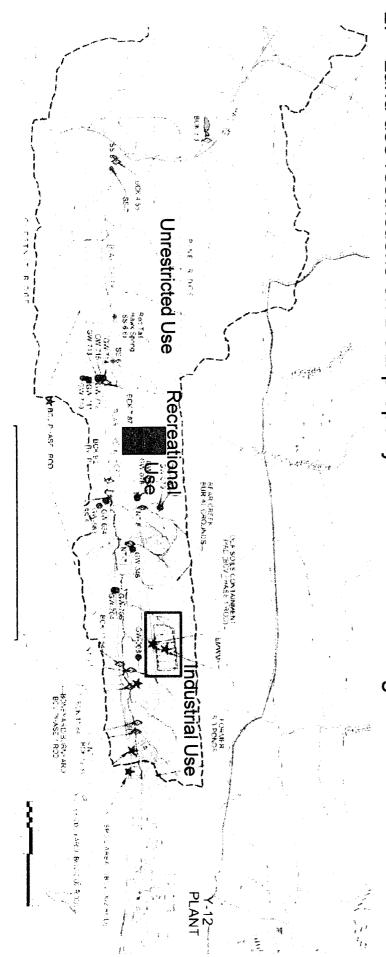
- Radionuclides
- Metals (e.g., mercury)
- Chemicals
- PCBs
- Pesticides
- Radiologically contaminated construction/demolition debris
- Contaminated soils

Future Use/Redevelopment in Bear Creek Valley



Bear Creek Valley contains the EMWMF (green outline) and if approved will also contain (down-valley) the EMDF CERCLA waste disposal facility (red box).

- Bear Creek Valley is expected to remain under federal ownership. DOE Oak Ridge control extends west past the unrestricted use box to the Clinch river (approx 2.25 miles).
- _and use restrictions on DOE property will have to be changed



Remediation Goals



- human health risk of 10⁻⁴ to 10⁻⁶ Excess Lifetime Cancer Risk (ELCR) or RAO #1: • Prevent exposure of human receptors to CERCLA waste (or Hazard Index (HI) of 1 contaminants released from the waste into the environment) that exceeds a
- through meeting chemical-, location-, and action-specific ARARs, and by groundwater) from CERCLA waste or contaminants released from the waste RAO #2: • Prevent adverse impacts to water resources (surface and preventing exposure that exceeds a human health risk of 10-4 to 10-6 Excess Lifetime Cancer Risk (ELCR) or Hazard Index (HI) of 1.
- action-specific ARARs RAO #3: Prevent unacceptable exposure to ecological receptors from CERCLA waste contaminants through meeting chemical-, location-, and

Multiple Disposal Alternatives Considered



- were considered and reviewed. No Action, Onsite, Offsite, and a Hybrid (multiple smaller onsite footprints) disposal options
- The DOE preference is for an additional onsite disposal facility
- This alternative is the most protective and cost effective
- streams. Characterization is now underway to hydrogeologically understand the site The Site 7c location is likely the best due to low slope relief and interaction with surface
- since 2002) The EMDF would be the second CERCLA landfill in Bear Creek Valley (EMWMF in operation



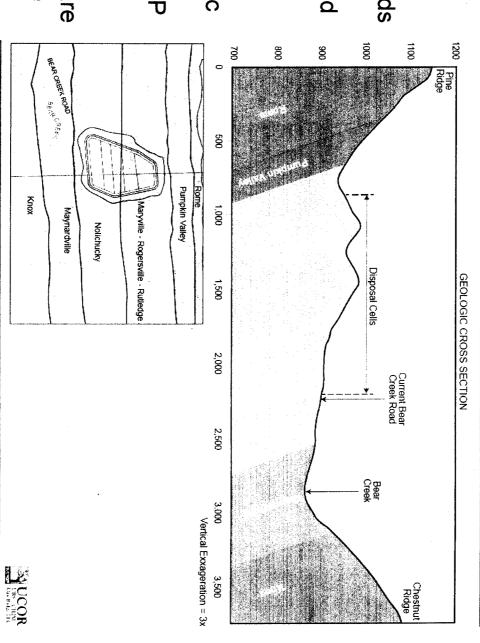
Existing CERCLA Landfill (EMWMF) 2017

EMDF Proposed Plan and Field Sampling Work Plan



The EMDF RI/FS Dispute Resolution Agreement adds an EMDF Field Sampling Work Plan to the Proposed Plan

- The FSWP is an effort to characterize CBCV Site 7c
- The Proposed Plan, FSWP and Technical Memorandum (with characterization results) are planned for public release in June 2018



Accelerated Schedule to ROD



reach ROD signature in January 2019 DOE Oak Ridge has set an aggressive schedule to

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Respond revise ROD/Submit D2 ROD for Approval	Review and comment D1 ROD	Submit 01 ROD	Develop D1 ROD	Additional time for public comment	Public comment period	Complete TM and add to Admin Record	Discuss TM with regulators	Draft Technical Memorandum	Complete Proposed Plan	Initiate Phase I FSP Data Collection	Task Name
22 days	65 days	1 day	89 days	23 days	22 days	Tó days	13 days	44 days	60 days	Yeb !	Duration
Tue 12/18/18	Tue 9/18/18	Mon 9/17/18	Tue 5/15/18	Tue 7/24/18	Fri 6/22/18	Fri 6/1/18	Wed 5/16/18	1hu 3/15/18	Thu 12/7/17	Thu 4/1/18	Siart
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Site-Specific Issues

- groundwater <120 ft) characterization (surface streams and shallow Central Bear Creek Valley Site 7c currently undergoing
- Incomplete sampling may extend characterization
- Necessity for pre-ROD WAC may pose problem (TDEC issue)
- **EPA National Remedy Review Board Comments**
- "remedy" nonconventional nature of creating a landfill as a comments cannot be fully addressed due to the changes to 0the preferred alternative. Some All comments were considered, but did not result in
- Land Use Controls
- physical changes in Bear Creek Valley are necessary. Changes in paperwork will be necessary but no



Surface stream adjacent to EMDF Site

Questions and Comments?

Enforcement Confidential – withheld

MFG Chemical, Inc., General Duty Clause

Briefing for Trey Glen – February 22, 2018

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Mississippi Phosphate Corporation Pascagoula, Jackson County, MS



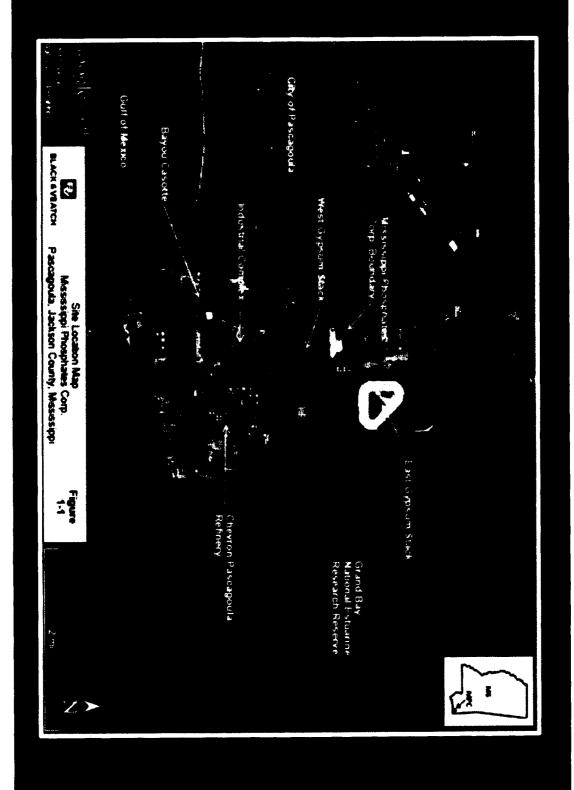
Closure of the East Gypsum Stack and North Ponds U.S. EPA Region 4 – Superfund Division Engineering Evaluation/Cost Analysis

MPC Site History/Background



- Produced diammonium phosphate (DAP) from 1950s thru 2014
- Digested phosphate ore with sulfuric acid to produce phosphoric acid
- Waste product = gypsum
- West Gyp Stack closed out mid 2000s
- East Gyp Stack has 350 acres of acid generating material exposed (≈ 15 Million CYs)
- Phosphoric acid + ammonium = granulated DAP
- Declared bankruptcy; July 2015 settlement agreement
- Liquidation Trust = infrastructure/dock
- Environmental Trust = lime treatment plant + West/East Gyp Stacks
- \$12 Million provided for water treatment

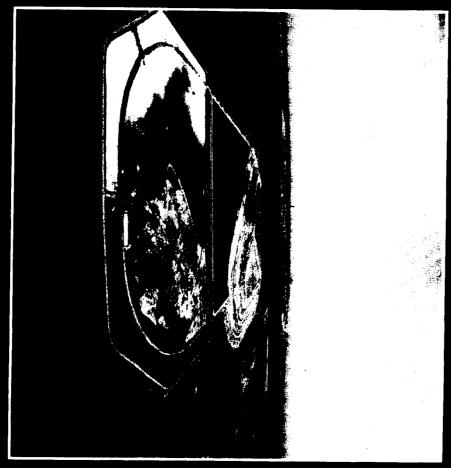




Current Operations



- EPA R4 Removal Program assumed water treatment responsibility February 11, 2017
- > 500 MGs of water on-site with pH ≈ 2.4
- Burn rate \approx \$35,000/day (\$1 Million/month)
- 1" of rainfall = 9 MG of acidic water that must be treated
- 112" rainfall in 2017
- Average rainfall = 66"/year
- ime plant + in-situ plant
- 2 to 4 MGD average treatment volume
- Neutralize pH and remove nutrients
- Cost = \$0.010186 per gallon (actual)
- Current Removal funding of \$1.3 Million
- Current Action Memo capacity of \$25M
- Total EPA costs to date $\approx 16 Million + \$12 million from Environmental Trust
- Yearly Region 4 removal allowance ~ \$13 million
- Off-site radiation sampling for air/soil and gamma surveys conducted in December



Emergency By-Pass Operations



- Dikes, berms & ponds of East Gyp Stack have structural integrity issues
- Overtopping/desiccation/piping, etc.
- Confirmed by multiple ERT inspections
- Known uncontrolled releases of wastewater
- 2005 17 MGs to Bangs Lake/Grand Bay Estuary
- Decimated large portion one of most productive fisheries on Gulf Coast
- 2013 38 MGs to Bayou Casotte
- 47,000 dead fish + criminal violation of Clean Water Act
- By-passes managed by EPA
- pH neutralization only with sodium hydroxide
- ≈ 400 MGs over 5 events
- Treatment costs per gallon = \$0.015727
- Closely monitored to prevent eutrophication and algal blooms
- No adverse impacts observed

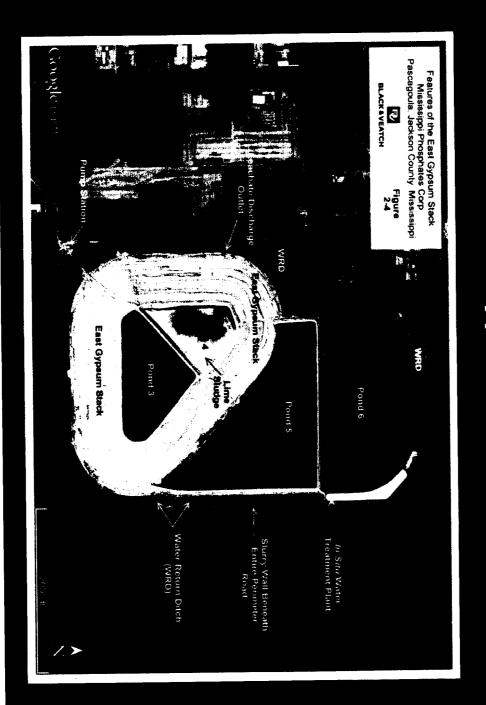




- Integrated removal & remedial authorities
- Recently added to Administrator Pruitt's list for immediate and intense action
- Presented to RA Priority Panel 11/07/17
- Proposed to NPL on 08/03/17
- Public Meeting 08/15/17
- Comment period ended 10/02/17
- Public comments support listing/MDEQ concurs
- Final on NPL 01/18/18
- Need to get out of the rainwater treatment business
- Common acid mine drainage strategy (keep clean water clean)
- Reduce quantity & improve quality that requires treatment
- Achieve long-term management of leachate only ASAP
- Non-Time Critical Removal Action Framework for East Gyp Stack closure work (R4 Remedial Program = lead)
- Engineering Evaluation/Cost Analysis (EE/CA) framework per 09/07/17 meeting with OSRTI
- Work split into 3 phases over 3 consecutive years (2018, 2019 and 2020)
- Operations & maintenance will be transferred to MDEQ upon closure
- Primary COCs = Acidic pH water + Nutrients (metals to a much lesser degree)
- Public Meeting 01/11/18
- 30-day public comment period 01/11-02/10/18

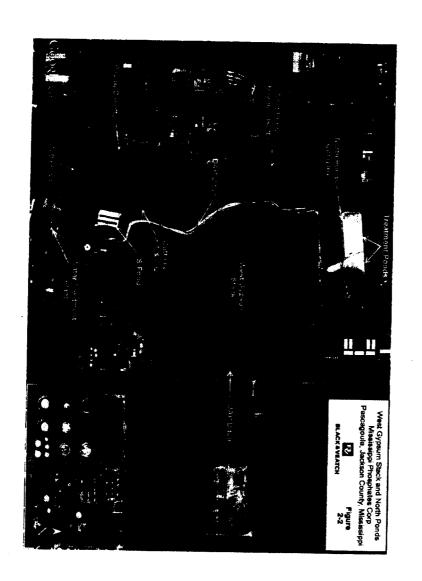


East Gypsum Stack



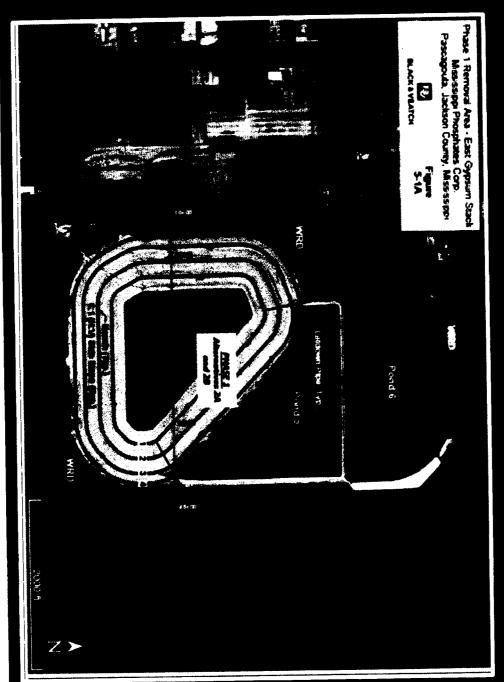


North Ponds



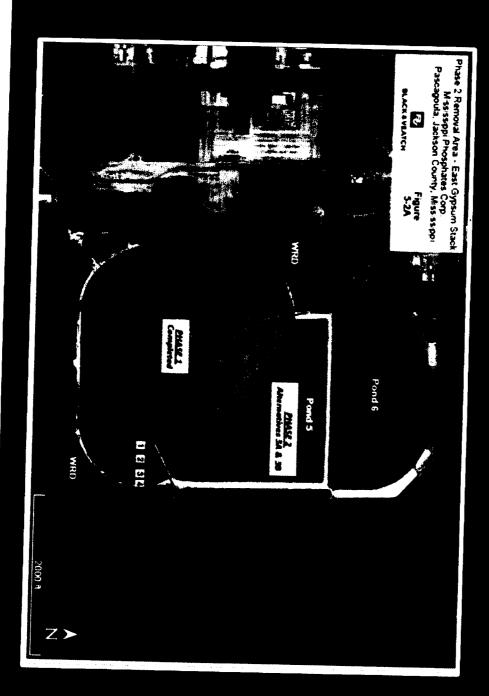


Phase 1 – EGS Closure



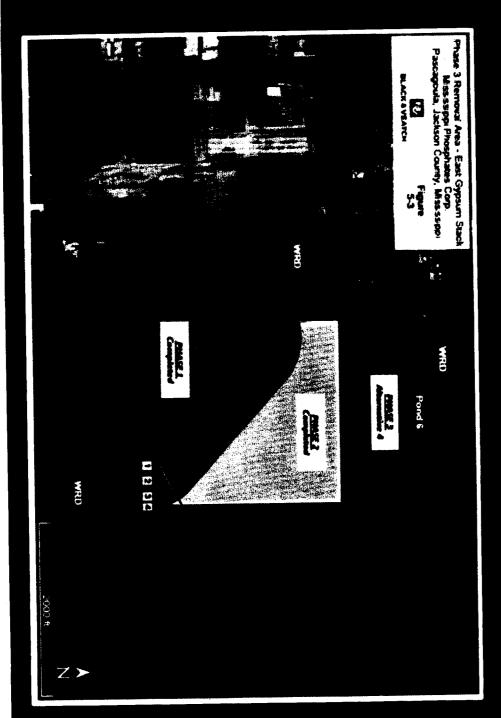


Phase 2 – EGS Closure





Phase 3 – EGS Closure





Preferred EGS Closure Alternative

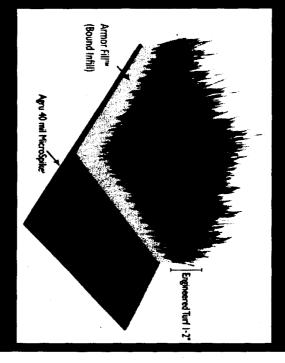
- Phase 1: Alternative 2B Complete Liner
- Reduces water contact area by 155 acres (41%)
- Drain Ponds 3 & 4. Deal with lime in Pond 4. Regrade EGS footprint. 40 mil liner + 24 inches of soil cover (541,000 CYs) + vegetative cover
- \$31.4 Million
- Detailed design early 2018/Construction start and finish in 2018
- Phase 2: Alternative 3B Pond 5 Closure with North Ponds Capped in Place
- Reduces water contact area by 90 acres (64%)
- Drain Pond 5, backfill and grade. Reinforced geotextile over lime sludge in North Ponds
- 40 mil liner + 24 inches of soil cover (291,000 CYs of soil) + vegetative cover
- Detailed design conducted in 2018/Construction start and finish in 2019
- Phase 3: Alternative 4 Close Pond 6 and Water Return Ditch
- Reduces remaining 135 acres of water contact area (100% closure) Drain Pond 6 and WRD, backfill and grade
- 40 mil liner + 24 inches of soil cover (400,000 CYs of soil) + vegetative cover
- Install new perimeter leachate collection system and connect to existing French drain system
- Detailed design 2019/Construction start and finish in 2020



Preferred EGS Closure Alternative



- Total EGS Closure Costs ≈ \$71.6 Million
- Likely high end estimates (10% contingency + 8% contractor mark-up)
- Approximately 50% of closure costs are for landfill soil
- Cost savings opportunities
- Dredge spoil potentially available from local source for capping material
- 24" soil cover is from Florida gypsum stack closure regulations. Less soil cover possibly sufficient.
- Employ alternate cap/cover system (engineered synthetic turf) that eliminates cover soil



- Above EGS Closure Costs include water by-pass costs to empty the ponds and ditches
- However, the EGS Closure Costs DO NOT include on-going water treatment costs

Next Steps

- 30-Day Public Comment Period on EGS Closure Alternatives ended $02/10/18^{\circ}$
- Only two comments received from public
- Cherokee neighborhood resident complaining about dust
- Local resident urging EPA to use "Closure Turf"
- MDEQ supports the EGS closure strategy
- **Gulf Restoration Network** ther stakeholders involve Cherokee Concerned Citizens, Steps Coalition and
- Initial meeting scheduled for 03/03/18 to set up a CAG
- Met with National Remedy Review Board on 02/13/18
- Determine need for review by/briefing with Administrator Pruitt's office?
- Superfund to prepare Action Memorandum and respond to comments
- Start detailed design process & value engineering
- Develop plans, drawings, and specs for construction activities
- Secure required funding for 3 phase EGS closure
- Site-wide RI/FS and cleanup will follow



Questions?

Craig Zeller, P.E. - EPA Remedial Project Manager

• Zeller.Craig@epa.gov

• 404.273.7072 (cell)

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		Session 1 (Awards/ Promotions/Poor Performers) Session 2 (Talent Management Topics) Session 3 (PARS) Session 3 (PARS)	Three classes are delivered as In-house classes.	Required courses are shaded in green. You must
 Note: All EPA staff have elearning accounts with Skillport. Thousands of courses/books available 24/7. A suggested elearning course list is attached but you may select a course from the designated topics that is not on the 	Session 7 (Mentoring) Session 8 (Leadership) Session 9 (Telework)	Session 4 (Motivating Others) Session 5 (Constructive Feedback) Session 6 ((Coaching)	Six are delivered as elearning classes	en. You must take each of them.

		1
Session 10 (Merit System/EEO)	Six are delivered as In-house classes	Elective courses are shaded in yellow. You must take 7 hours (or point
Session 16 (Conflict Management)	Two are elearning electives	You must take 7 hours (or points) from the 12 available.

Session 17 (Performance)

Session 15 (Quality Assurance) Session 14 (Travel/Fleet/Property/Safety)

Session 13 (Budget/Contracts/SBA/Records Mgmt./etc.)

Session 12 (Labor/Employee Relations)

Session 11 (Personnel Matters)

Alternative /Optional Learning may be used as substitutes for listed courses

Supervisory Update Courses (in coordination with the program manager), by reading a book, details, or special assignment.. You may receive credit for a course topic/class by taking another class with the same topics from any source other than the

How to Substitute an Alternative Course for a Required or Elective Course

Supervisory Update Plan Quick Explanation

obtain credit, but as a diagram or explanation of process. is intended to provide some explanation and process. Please do not think of this document as a form that you must use to Supervisory update curriculum and substitute that learning experience for a Supervisory update requirement. This document There have been numerous questions as to how one receives credit for supervisory learning that is not specifically a part of the

		Design to Commentational
		Session 16 Conflict Monogement
		Session 15 (Quality Assurance)
		Session 14 (Travel/Fleet/Property/Safety)
		Session 13 (Budget/Contracts/SBA/etc.)
	-	Session 12 (Labor/Employee Relations)
•		Session 11 (Personnel Matters)
Step 4 Provide completion documentation		Session 10 (Merit System/EEO)
my completion.		
completion and provide voluments of completion of		
Upon completion of this book I will self certify		Flective
Reading of "Leadership from The Inside Out"		Session 9 (Telework)
supervisory update Leadership Session 8 with the	X	Session 8 (Leadership)
I request that I be allowed to substitute the		Session 7 (Mentoring)
	X	Session 6 ((Coaching)
		Session 5 (Constructive Feedback)
with documentation of my completion.		Session 4 (Motivating Others)
Upon completion of this training I will provide you		Session 3 (PARS)
Managers" training, attached is a course description.		Session 2 (Talent Management Topics)
LDI's upcoming "Coaching Techniques for		Session 1 (Awards/Promotions/Poor Performers)
supervisory update Coaching Session 6 with the		
I request that I be allowed to substitute the		Mandatory
Preapproval for a substitution is recommended.	substituted	
of learning event to occur/that has occurred.	course topic to be	
Step 3. Request the substitution/ provide description	Step 2. Select	Step 1. Review the course curriculum

	I say to be the transfer of a say of the control of the			
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Supervisory Update Training Schedule January 17, 2018 – September 19, 2018

Make-Up Session 13	Session 11 Make-Up Session 11	Session 15	Session 15	Session14	Session 14	Session 13	Session 13	Session
Wed. September 19, 2018	Thur. August 16, 2018	Thur. June 21, 2018 Wed July 19 2019	Wed. May 23, 2018	Thur. April 19, 2018	Wed. March 21, 2018	Thur. February 22, 2018	Wed. January 17, 2018 Rescheduled due to inclement weather: September 19, 2018	Date
9E	9E	9.1	9E	9B	10T33., 10th Fl	9E	9E	Location
1:00 pm – 3:30 pm	9:30apm – 11:30 am	9:30 am - 11:30 am	1:00 pm – 3:30 pm	9:30 am – 11:30 am	1:00 pm – 3:30 pm	9:30 am – 11:30 am	1:00 pm – 3:30 pm	Time
 Budget .5 hr. Contracts .25 hr. Small Business .25 hr. Time & Attendance .25 hr. Pay .25 hr. Records Management .5 hr. 	Personnel Matters 2.0 hr.	1 7	 Quality Assurance 1.0 hr. Safety .5 hr. Scientific Integrity .5 	 Travel System and Card 20 min. Subsidized Transportation 20 min. Fleet .20 min. Property 20 mi. Security 20 min. 	 Travel System and Card 20 min. Subsidized Transportation 20 min. Fleet .20 min. Property 20 mi. Security 20 min. 	 Budget .5 hr. Contracts .25 hr. Small Business .25 hr. Time & Attendance .25 hr. Pay .25 hr. Records Management .5 hr. 	 Budget .5 hr. Contracts .25 hr. Small Business .25 hr. Time & Attendance .25 hr. Pay .25 hr. Records Management .5 hr. 	Topics
K. Eubanks G. Krieger G. Krieger K. Walton K. Walton L. Gross	R. Allen / A. Daniels- Lewis	S. Aker, Liza Montalvo B. Scott M. Maycock B. Allen / A. Daniele, Lewis	S. Aker, Liza Montalvo B. Scott M. Maycock		M. Wright M. Wright W. Greene D. Fortson, R. Willis, P. Graham E. Robertson	K. Eubanks G. Krieger G. Krieger K. Walton K. Walton L. Gross	K. Eubanks G. Krieger G. Krieger K. Walton K. Walton L. Gross	

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Florida Stakeholder Visit Tallahassee, Florida January 20-22, 2018

Additional Region 4 Staff:

<u>Name</u>	Telephone #	<u>Transportation</u>
Brandi Jenkins	(404) 702-9239	Brandi will have a rental
Allison Wise	(678) 938-6299	
Kelly Williams (FDEP)	(850) 363-9000	
		·

Tuesday, February 20, 2018

FLIGHT:

Leave: Atlanta via Delta 1813 at 4:20 pm Arrive: Tallahassee, Florida at 5:25 pm

Seat: 25C

Confirmation Number: JPV4K8

<u>Hotel:</u>

Doubletree by Hilton Hotel Tallahassee

101 South Adams Street Tallahassee, Florida 32301

Phone: (850) 224-5000

Check-in: Tuesday, February 20th after 3 pm Check-out: Thursday, February 22nd Noon

2 Queens Upgraded

Confirmation Number: 90769299

M&IE

2/20/2018 \$40.50 2/21/2018 \$54.00 2/22/2018 \$40.50

Florida Stakeholder Visit Tallahassee, Florida January 20-22, 2018

Wednesday, February 21, 2018

8:30 - 10:30 am

External Stakeholder Roundtable

Chamber of Commerce Building

136 S. Bronough Street

Tallahassee, Florida 32301

NOTE: Secretary Valenstein will attend the roundtable

11:00 am

Meeting with Water Management District Executive

Directors and FDEP

Room 170

(an agenda and the bios are included)

12:00 pm

Lunch with Noah Valenstein

TBD

2:00 pm

Meeting with FDEP Executive Leadership

Secretary Valenstein's Conference Room

3:00 pm

Roundtable Discussion ~ 404

FDEP Attendees:

Noah Valenstein, Secretary

John Truitt, Deputy Secretary for Regulatory Programs

Megan Seward, Regulatory Programs

4:00 pm

Roundtable Discussion ~ Everglades Water Quality

FDEP Attendees:

Noah Valenstein, Secretary

Drew Bartlett, Deputy Secretary for Ecosystems

Restoration

Florida Stakeholder Visit Tallahassee, Florida January 20-22, 2018

Thursday, February 22, 2018

FLIGHT:

Leave: Tallahassee via Delta 725 at 7:00 am

Arrive: Atlanta at 8:07 am

Seat:

Confirmation Number: JPV4K8

For flight changes contact: BCD Travel: (866) 964-1346 Agency Record Locator SX3J7W \$34.50 per change

For all other travel issue contact: EPA Travel (513) 487-2346

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February 26, 2018 - March 4, 2018

February 2018	March 2018
SuMo TuWe Th Fr Sa	SuMo TuWe Th Fr Sa
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Monday, February 26

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
Grantham, Nancy

- 1:00pm 2:00pm APTMD Staff Meeting (12B: Call in number 404-562-9990, Access Code (b)(6) Banister, Beverly
- # 1:30pm 2:30pm RCRD Staff Meeting (10B (10T65)) -Ricks-Singuefield, Debra
- # 2:00pm 3:00pm Copy: Senior Staff Meeting (Alm Room) -Adm14Pruitt, Scott
- # 3:15pm 4:00pm General Discussion ORA Reorganization (RA Conference Room) Ashbee, Blake

Tuesday, February 27

- 10:00am 11:00am SELC Meeting on GA Narrative Water Quality (Atlanta Federal Center - 61 Forsyth Street, SW Atlanta 30303 (14th Floor /RA's Conference Room)) - Walker, Mary
- 10:30am 10:50am MS Phosphate Discussion: Trey Glenn & Barry Breen (Vis Telephone or in the RA's Small Conference Room for those in the SNAFC) Glenn, Trey

2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC - North New call in #: 202-991-0477 Conference Code: (b)(6) Grantham, Nancy

3:00pm - 3:30pm General Discussion Enforcement Update (Anne's Office) - Ashbee, Blake

Wednesday, February 28

- 8:00am Belinda leave All Day Johnson, Belinda
- 10:00am 10:30am General with Karen Smith (Blake's Office) -Ashbee, Blake

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

Thursday, March 1

12:00am Hold

- 10:00am 10:30am FYI Meeting with Ed Poolos and Chris Blankenship (AL Dept of Conservation & Natural Resources 64 N.
- 10:30am 11:00am General Discussion -Interim FTE's (Trey's Conference) - Ashbee, Blake
- 11:00am 12:30pm FYI Meeting with Lance Lefluer and Ken Wagner (ADEM 1400 Coliseum Blvd Montgomery AL.)
- 11:00am 12:00pm Scheduling Discussion (RA's Private Conference Room) - Hudson, Wanda
- 3 12:00pm 4:00pm Hold

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)

- 🖥 1:45pm 3:15pm hold
- 2:00pm 2:30pm FYI Ken Wagner Conference Call
 3:00pm 3:45pm OCIR Weekly Regional Call (3428-WJCN) -

Friday, March 2

12:00am Hold

8:00am - Reminder People Plus Approval Day

9:00am - Peopleplus approval day

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

Saturday, March 3

Sunday, March 4

Mississippi Phosphate Corporation Pascagoula, Jackson County, MS



Closure of the East Gypsum Stack and North Ponds Engineering Evaluation/Cost Analysis

U.S. EPA Region 4

MPC Site History/Background

iced diammonium phosphate (DAP) 1950s thru 2014 ted phosphate ore with sulfuric acid oduce phosphoric acid

ste product = gypsum

est Gyp Stack closed out mid 2000s

st Gyp Stack has 350 acres of acid herating material exposed (≈ 15 Million CYs) phoric acid + ammonium = granulated

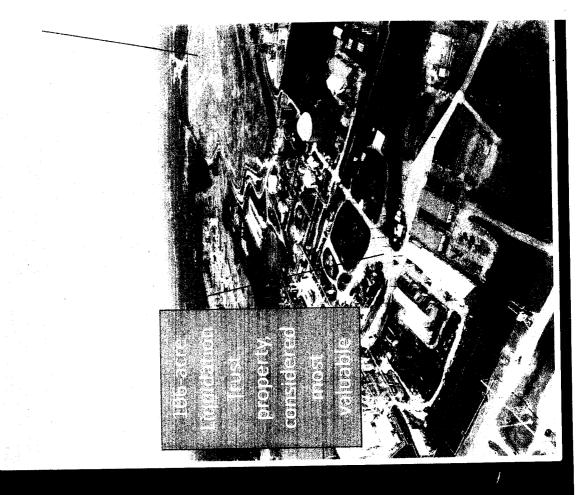
red bankruptcy; July 2015 settlement ment

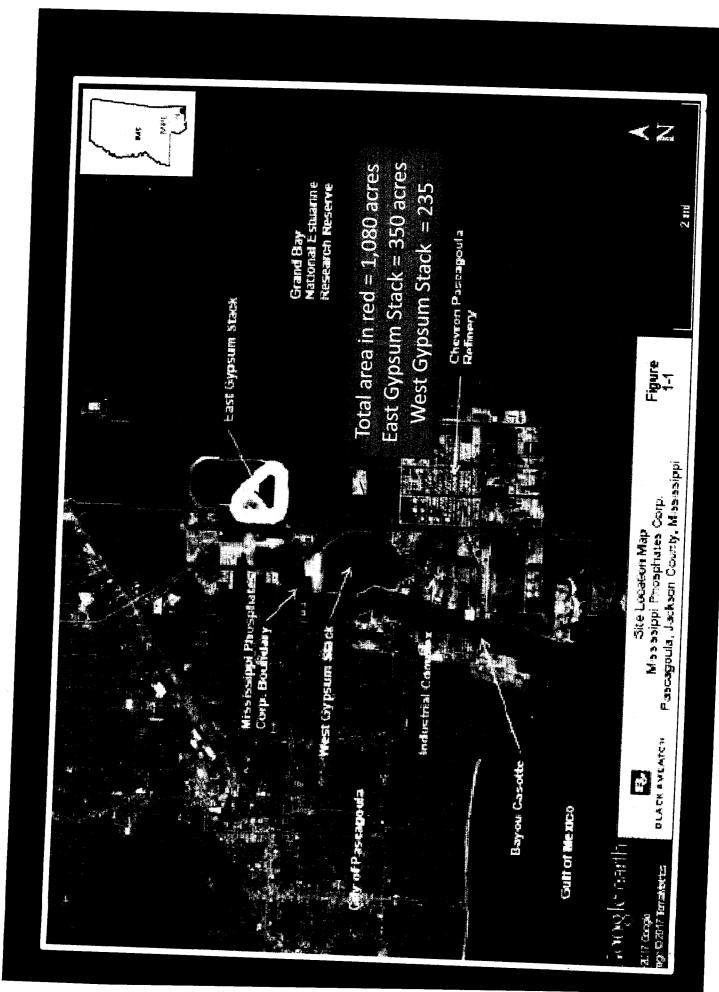
uidation Trust = infrastructure/dock

vironmental Trust = lime treatment plant +

est/East Gyp Stacks

2 Million provided for water treatment





Environmental Risk

olume of acidic pH water with high levels of

uncontrolled releases of wastewater

5 – 17 MGs to Bangs Lake/Grand Bay Estuary

Decimated large portion one of most productive fisheries on Gulf Coast

47,000 dead fish + criminal violation of Clean Water Act 3 – 38 MGs to Bayou Casotte

sting data of East Gypsum Stack indicates slightly elevated els of Radium 226

Technically Enhanced Naturally Occurring Rad Material (TENORM)

Levels generally range 20 to 50 picocuries/gram

Not a risk under current industrial land use

conducted additional sampling November 27 - December 5 concerns at August pubic meeting

npling was conducted at public parks (Soccer Complex, and Levy Memorial Park) and public schools (Pascagoula High, prokee Elementary and Eastlawn Elementary)

ected air samples, soil samples and conducted gamma

ults available in March

Screening level gamma surveys at off-site areas were at background levels



Current Operations

4 Removal Program assumed water nent responsibility February 11, 2017 00 MGs of water on-site with pH≈2.4 rn rate ≈ \$35,000/day (\$1 Million/month)

ainfall = 9 MG of acidic water that oe treated

2" rainfall in 2017

erage rainfall = 66"/year

lant + in-situ plant

o 4 MGD average treatment volume utralize pH and remove nutrients

t = \$0.010186 per gallon (actual)

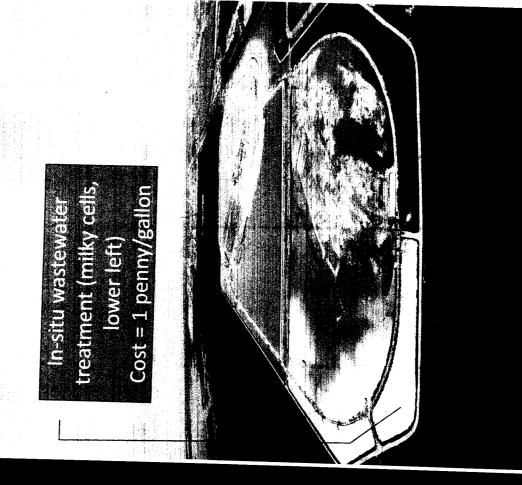
it Removal funding of \$1.3 Million

rent Action Memo capacity of \$25M

al EPA costs to date ≈ \$16 Million + \$12 ion from Environmental Trust

rly Region 4 removal allowance ~ \$13 million

radiation sampling for air/soil and surveys conducted in December



Emergency By-Pass Operations

, berms & ponds of East Gyp Stack have structural rity issues

vertopping/desiccation/piping, etc.

onfirmed by multiple ERT inspections

asses managed by EPA

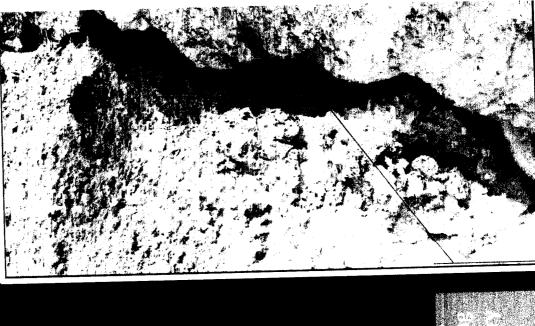
H neutralization only with sodium hydroxide

400 MGs over 5 events have been bypassed to prevent scontrolled releases from Ponds 3 and 4 on top of stack

eatment costs per gallon = \$0.015727

osely monitored to prevent eutrophication and algal blooms

o adverse impacts observed



Region 4 Superfund Strategy

integrated removal & remedial authorities

- Recently added to Administrator Pruitt's list for immediate and intense action Presented to RA Priority Panel 11/07/17

Proposed to NPL on 08/03/17

- Public meeting 08/15/17
- Comment period ended 10/02/17
- Public comments support listing/MDEQ concurs
 - Final on NPL 01/18/18

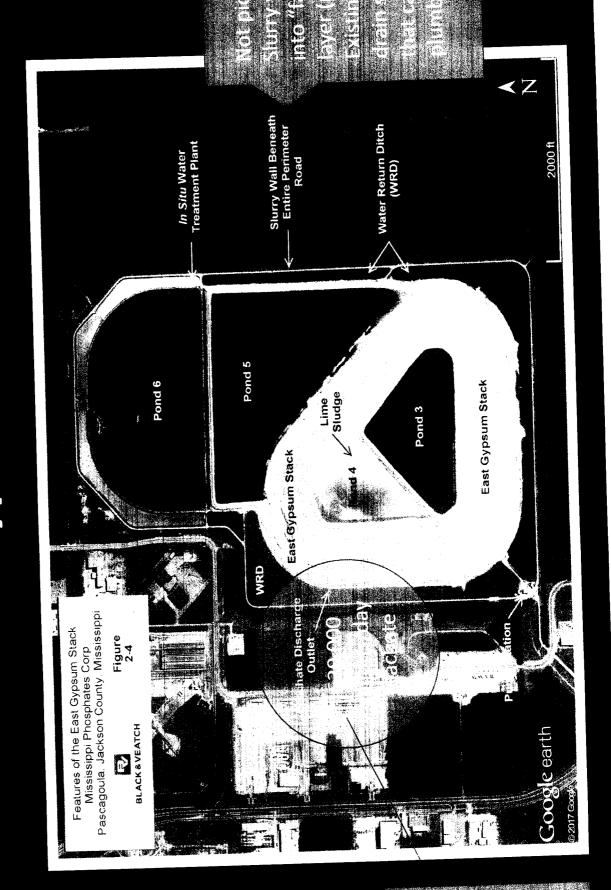
Veed to get out of the rainwater treatment business

- Common acid mine drainage strategy (keep clean water clean)
 - Reduce quantity and improve quality that requires treatment
 - Achieve long-term management of leachate only ASAP

Jon-Time Critical Removal Action Framework for East Gyp Stack closure work (R emedial Program = lead)

- Engineering Evaluation/Cost Analysis (EE/CA) framework per 09/07/17 meeting with OSRT
 - Work split into 3 phases over 3 consecutive years (2018, 2019 and 2020)
 - Operations and maintenance will be transferred to MDEQ upon closure
 - Public Meeting 01/11/18
- 30-day public comment period 01/11-02/10/18

East Gypsum Stack



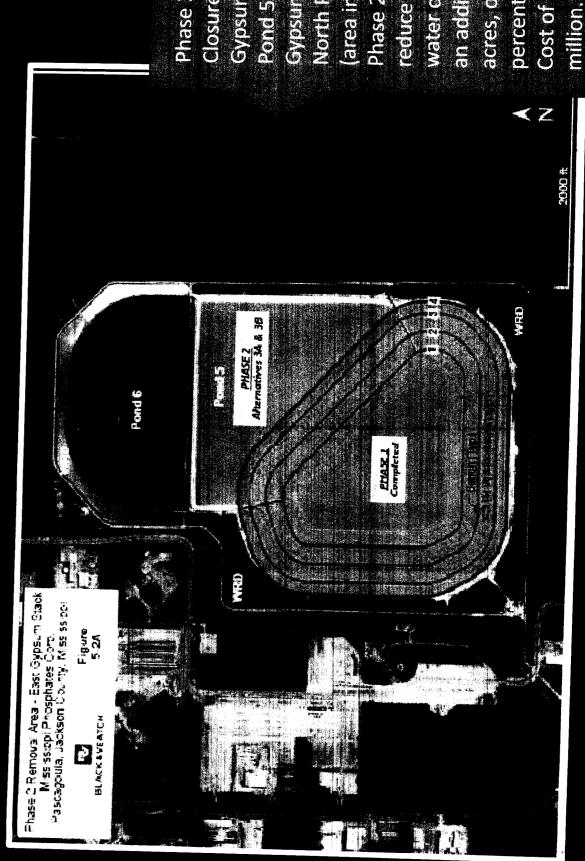
North Ponds



Phase 1 – EGS Closure

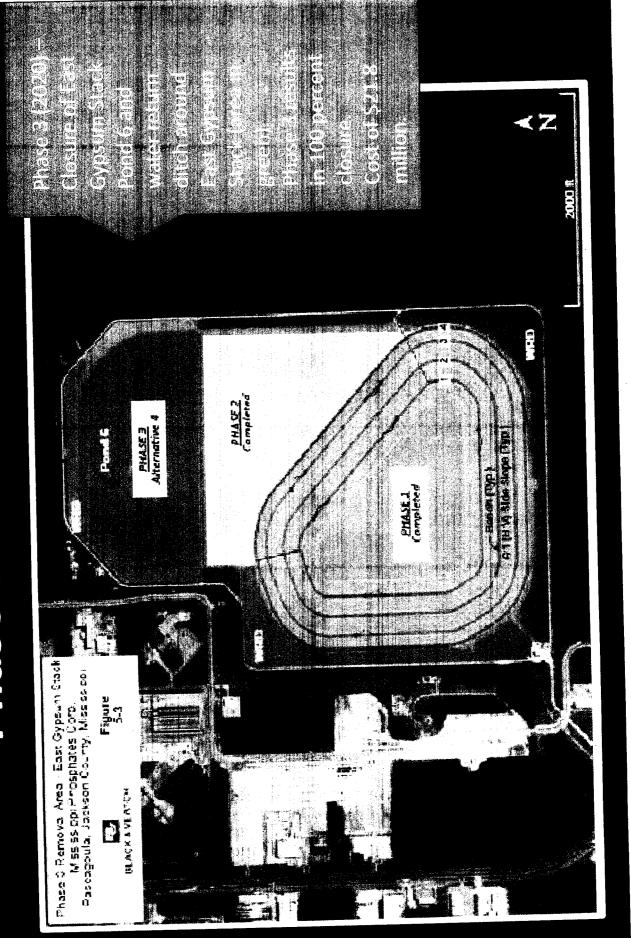


Phase 2 – EGS Closure



percent total Cost of \$18.4 Closure of Fa Phase 2 (201 (area in yello Gypsum Sta acres, or 64 Ported 5 :11/2 North Ponte water cont S. Hilling J.D. Phase 2 wi

Phase 3 – EGS Closure



Alternatives Evaluated in EE/CA

srnative 1: Continue Water Treatment Operations

\$5.6 Million/year

Assumes average rainfall of 66" - 22" of evaporation

se 1 – Alternative 2A: Partial Liner

Reduces water contact area by 155 acres (41%)

Drain Ponds 3 & 4. Deal with lime in Pond 4. Regrade EGS footprint.

40 mil liner on crest and benches (four, 30-foot wide benches)

24 inches of soil cover on top of liner

Compacted clay and top soil only on side slopes

egetative cover

otal Cost = \$ 31.8 Million

se 1 – Alternative 2B: Complete Liner

Inain Ponds 3 & 4. Deal with lime in Pond 4. Regrade EGS footprint.

0 mil liner on crest, benches, and side slopes

4 inches of soil cover on top of liner

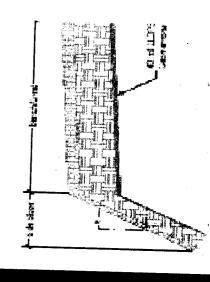
equires 541,000 cubic yards of soil

egetative cover

otal Cost = \$31.4 Million







Alternatives Evaluated in EE/CA (con't)

e 2 – Alternative 3A: Pond 5 Closure with North Pond Excavation

educes water contact by additional 90 acres (64%)

rain Pond 5. Excavate 728,000 CYs of lime from North Ponds. Incorporate into Pond 5 footprin

0 mil liner over Pond 5 footprint and North Ponds

4 inches of soil with vegetative cover

otal Cost = \$47 Million

e 2 – Alternative 3B: Pond 5 Closure with North Ponds Capped in Place

rain Pond 5, backfill and grade

einforced geotextile over lime sludge with North Ponds

0 mil liner over Pond 5 footprint and North Ponds

4 inches of soil with vegetative cover (291,000 CYs of soil)

otal Cost = \$18.4 Million

e 3 – Alternative 4: Pond 6 Closure and Water Return Ditch

rade Pond 6 and WRD/40 mil liner/24 inches of soil with vegetative cover (400,000 CYs of soil istall new perimeter leachate collection system and connect to existing French drain system rain Pond 6 and Water Return Ditch (Removes remaining 135 acres/100% closure)

otal Cost = \$21.8 Million

Preferred EGS Closure Alternatives

lase 1: Alternative 2B – Complete Liner

Provides more long-term protection and less leachate

The hybrid option 2A did not offer expected cost savings due to more expensive clay materia

needed for side slopes

Requires \$31.4 Million

Detailed design early 2018/Construction start and finish in 2018

ase 2: Alternative 3B – Pond 5 Closure with North Ponds Capped in Place

Excavation of North Ponds is very expensive and unnecessary

Requires \$18.4 Million

Detailed design conducted in 2018/Construction start and finish in 2019

ase 3: Alternative 4 – Close Pond 6 and Water Return Ditch

Requires \$21.8 Million

Detailed design 2019/Construction start and finish in 2020

Preferred EGS Closure Alternatives

EGS Closure Costs ≈ \$71.6 Million

ely high end estimates (10% contingency + 8% contractor rk-up)

proximately 50% of closure costs are for landfill soil cover

st savings opportunities

Dredge spoil potentially available from local source for capping material

24" soil cover is from Florida gypsum stack closure regulations. Less soil cover possibly sufficient.

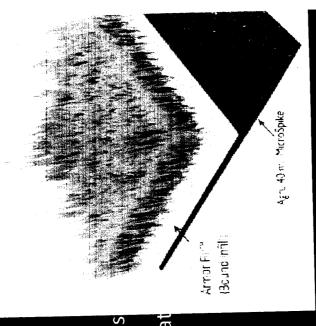
Employ alternate cap/cover system (engineered synthetic turf) that eliminates cover soil

e EGS Closure Costs include water by-pass to empty the ponds and ditches

wever, the EGS Closure Costs DO NOT include on going

ter treatment costs

supports the proposed closure natives



Next Steps

perfund to prepare Action Memorandum in March 20 Will respond to comments from public (30-Day public commer veriod ended 02/10/18)

 Only two comments received, one from a resident concerned about dust and another urging EPA to use "closure turf" Vill respond to comments expected from the National Remec eview Board (met with Board on 02/13/18)

rt detailed design process

evelop plans, drawings, and specs for construction activities alue engineering study to compare cap/cover options ure required funding for 3-phase EGS closure -wide RI/FS and cleanup will follow

Community Interest

ic meetings held 03/9/17 (once EPA assumed oversight), 08/15/17 ng/comment period) and 01/11/18 (EECA/comment period); TASC kshop planned for 03/3/18

rest from groups: Steps Coalition, Cherokee Concerned Citizens, Gul oration Network

dents generally supportive of NPL listing and proposed cleanup; essed concerns about:

1) Impacts from wastewater discharge to BayouCasotte, which is used for shing/recreation

3) Cumulative environmental impacts—especially to air—from MPC and neighb 2) Radiation associated with the gypsum remaining on-site and in the wastewat

dustries (Chevron Pascagoula Refinery, First Chemical, VT Halter Marine, Signa

nternational

Possible redevelopment by another 'bad actor' causing pollution/requiring dditional taxpayer money to clean up

Media Interest

ecially once EPA assumed oversight, during by-pass events/Hurricane erage has been largely fair/balanced. Proactive media tour for Sun-H rters' understanding and resulted in more positive coverage of EPA' media interest (Sun-Herald, Associated Press, WLOX, Mississippi Pr when added to Administrator's list of sites for immediate/intense a 24/17, which covers the MPC Site most frequently, helped improve rities (see last 3 news clips below)

ction of news clips

Political Interest

cical interest from Sen. Wicker, Cong. Palazzo, Pascagoula Mayor Ma Gautier Mayor Torjusen

fed Mayors Maxwell and Torjusen in person on 01/12/18

rimarily interested in redevelopment (City considering site for first responder t

Vanted to explore whether EPA could use fill dirt from the City of Pascagoula sked EPA to host tour for City Council (scheduled for 03/14/18) fed Sen. Wicker's staff on 01/11/18 call and Cong. Palazzo's staff on 7/18 call, and answered basic questions

esponded to follow-up questions from both sent 02/14/18 to clarify the 106-ac arcel where fertilizer was produced, including the above-ground infrastructure iquidation Trust and a Bonafide Prospective Purchaser Agreement on Consent eep water dock, can be put into immediate reuse pending approval from the ne eventual property owner

March 12, 2018 -March 18, 2018

March 2018	April 2018
SuMo TuWe Th Fr Sa	SuMo TuWe Th Fr Sa
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

Monday, March 12	Tuesday, March 13
8:30am - 9:00am Call with Beverly Banister re Southcoast case (# 9:00am - 1:00pm March's Regional Monthly Review (RA's
404-562-9997; (b)(6) - Glenn, Trey	Conference Room) - Glenn, Trey
9:00am - 9:30am Call with staff regarding weekly report review	12:00pm - 1:00pm FYI ~ Trey: GMPO Visit - Glenn, Trey
(9997) - Glenn, Trey	1:00pm - 1:30pm Personnel Issue - Helm, Arron
12:30pm - 1:00pm Download with Mary (WPD) (RA's Private Conference Room) - Glenn, Trey	1:30pm - 2:30pm General Discussion - Compliance Assurance (Anne's Office) - Heard, Anne
1:00pm - 2:00pm APTMD Staff Meeting (12B: Call in number 404-562-9990. Access Code(D)(6) Banister, Beverly ⊖	2:30pm - 3:00pm Anniston PCB Site Enforcement Action (RA's Private Conference Room) - Ashbee, Blake
1:00pm - 2:00pm Senior Staff Briefing on R4 State of EEO (RA Conference Room) - Lapierre, Kenneth	2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC - North New call in #: 202-991-0477 Conference Code:
■ 1:30pm - 2:30pm RCRD Staff Meeting (10B (10T65)) - Ricks-Sinquefield, Debra •	3:00pm - 3:30pm Open Consent Decrees (RA's Private Office) - Ashbee, Blake
2:00pm - 3:00pm Copy: Senior Staff Meeting (Alm Room) -	3:30pm - 4:30pm FYI ~ Trey: Meeting with Mayor re: The
Adm14Pruitt, Scott ♥	4:30pm - 5:30pm FYI ~ Trey: Harbour Tour - Glenn, Trey
	5:30pm - 6:30pm FYI ~ Trey: MPC Site Tour with City Council
Wednesday, March 14	Thursday, March 15
9:30am - 11:30am Concur Training Coming Soon (Conference Room	
10T33) - Wright, Marie 9:55am - 12:09pm FYI ~ Trey: Flight to Atlanta (Final Destination	8:00am - 10:15am FYI ~ Trey: Meeting: Trey Glenn and Jay Mullis
Knoxville) (Flight starts in Central time zone and ends in Eastern time	(Oak Ridge Office of Enrivonmental Management 200 Administration Rd Oak Ridge TN 37830) - Glenn, Trey
zone))	11:57am - 12:55pm FYI ~ Trey: Flight to Atlanta
11:30am - 1:30pm Water Division Chili Cook-off (9E)	1:30pm - 2:00pm General Discussion - Catch-up (Anne's Office) -
12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)	Heard, Anne
1:00pm - 1:30pm General Discussion with Air - ARC's Amendment	2:15pm - 2:45pm Draft LTCP conditional approval (Nashville Metro and SD-1) (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL;
#4 (RA Conference Room) - Ashbee, Blake	4045629997 (b) (6) Glenn, Trey
1:00pm - 2:00pm FW: REGIONS ONLY - Report out from R7 on OECA Regional VTC, 202-991-0477, code (b)(6)	3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) - Richardson, RobinH O
1:34pm - 2:24pm FYI ~ Trey: Flight from Atlanta to Knoxville	
3:30pm - 6:30pm FYI ~ Trey: Oak Ridge Reservation Site Tour (Time is an Estimation) - Glenn, Trey	
Friday, March 16	Saturday, March 17
← 12:00am Wanda Leave - Hudson, Wanda	
8:00am - Peoplepius approval day O	
1:00pm - 1:30pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy ↔	

Sunday, March 18

Region 4 Monthly Business Review

March 13, 2018 - 9:00 AM - 1:00 PM

AGENDA

1.	Opening Remarks		T. Glenn A. Heard
2.	Review of Action Items from Previous Meeting		D. Fifadara
3.	Overview of Bowling Chart changes		D. Fifadara
4.	Performance Metrics Review		D. Fifadara
	 [#1] Permit Backlog [#2] Number of Non-Attainment Areas [#3] Number of SIPS on Backlog [#4] Non-Federal Dollars Leveraged by Federal Investment [#5] Superfund Sites RAU [#6] Brownfields Sites RAU [#7] RCRA Corrective Action Sites RAU [#8] LUST Cleanups That Meet Risk Based Standards [#12] Significant Non-Compliance Rate (NPDES DMRs) [#13-21] Agencywide Reporting Metrics 	APTMD, WAPTMD APTMD SFD RCRD RCRD RCRD WPD OPM	PD, RCRD
5.	Additional Regional Measures	SES	SD, OPM, ORA
6.	Status of Funds		K. Eubanks
7.	Review of Action Items and Wrap-up		D. Fifadara
8.	Closing Comments		T. Glenn

Next Meeting: Tuesday, April 17th, 2018 - 9:00 AM - 1:00 PM

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Renee Wootson – Program Analyst Veronica Robertson – Acting Regional Civil Rights Officer

March 5, 2018

I AM Die sity!

REGION 4 WORKFORCE

Region 4 Workforce by Race/National Origin and Gender

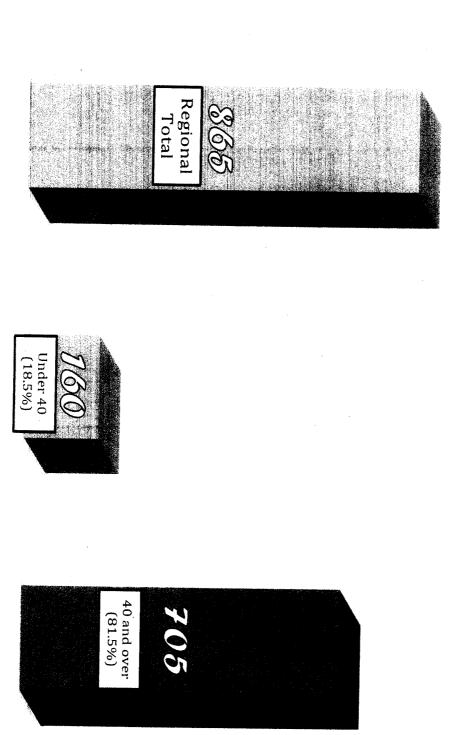
TOTAL TOTAL			a			
(CLF	Z		CLF	R4	4
	Female	· Female	ale	Male	Male	ale
Race/National Origin	%	#	%	%	#	%
Veteran	0.80%	31	7.00%	6.20%	70	16.59%
Targeted Disabilities	2.00%	7	1.58%	2.00%	4	0.95%
American Indian/Alaska Native	0.30%	2	0.23%	0.30%	2	0.23%
Asian	2.30%	12	1.39%	2.50%	23	2.66%
Black	6.10%	206	23.82%	5.20%	83	9.60%
Hawaiian/Pacific Islander	0.10%	0	0.00%	0.10%	0	0.00%
White	31.50%	201	23.24%	35.50%	285	32.95%
Two or more races	0.70%	4	0.46%	0.80%	2	0.23%
Hispanic	6.20%	18	2.08%	8.40%	27	3.12%
Regional Total:	47.20%	443	51.21%	52.80%	422	48.79%

Data Source: Federal Personnel Payroll System as of PP201804 (1/21/2018 - 2/3/2018)



REGION 4 WORKFORCE

Distribution by Age

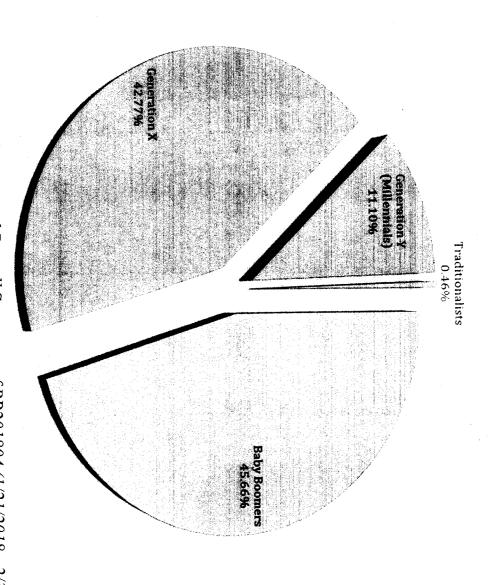


Data Source: Federal Personnel Payroll System as of PP201804 (1/21/2018 - 2/3/2018)

IAM Dive sity!

REGION 4 WORKFORCE

Distribution by Generations



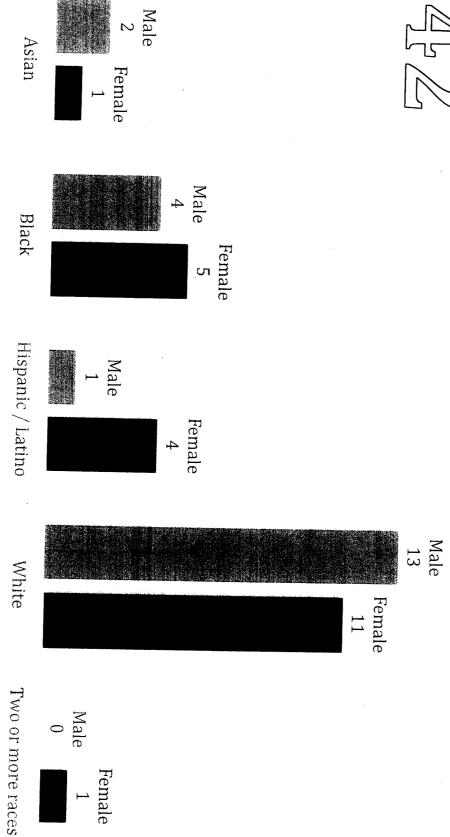
Data Source: Federal Personnel Payroll System as of PP201804 (1/21/2018 - 2/3/2018)

I AM Doe sity!

NEW HIRE STATISTICS



October 2016 – September 2017

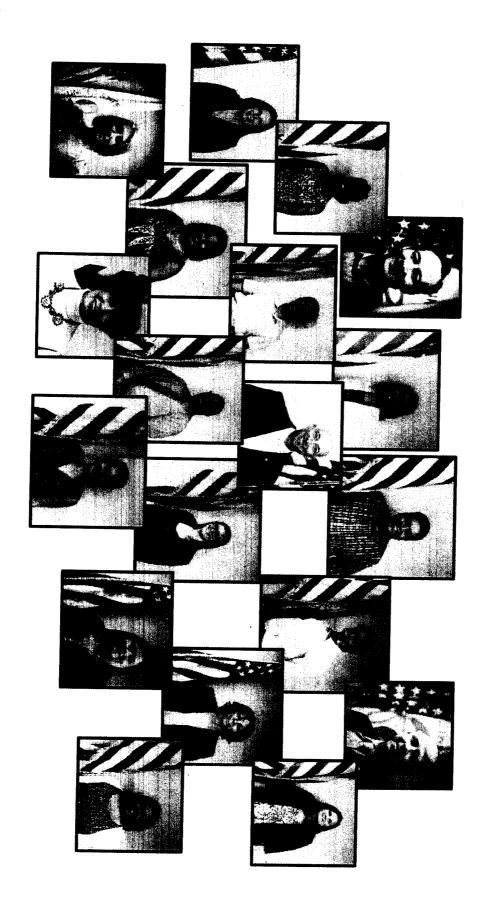


FY17 Formal Career Development Programs

30	Regional Total
	CC-00
8	GS-15
17	GS-14
3	GS-13
	GS-12

Federal Executive Board Leadership Government, Federal Executive Institute, OPM Management Development Note: CC is Commission Core or Public Health Officers; The formal career development programs includes -Seminar Centers, U.S. Corps of Engineers Leadership Development Program.

SEPMs and Executive Champions

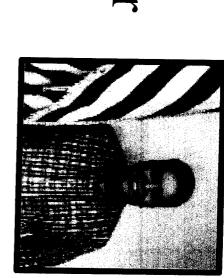


I AM Dive sity!

NEW SEPMS/CHAMPIONS

- ☐ Experienced Federal Workers Champion— Larry Lamberth (RCRD)
- ☐ Asian American Pacific Islander Program Manager – Samir Gala (APTMD)
- ☐ Professional Administrative Council for Moultrie (APTMD) Excellence Program Manager – Pamela
- ☐ Lesbians, Gays, Bisexual Transgender Program Manager – Robin Billings (RCRD)

American Pacific Islander Chetan Gala (APTMD) National Chair Asian





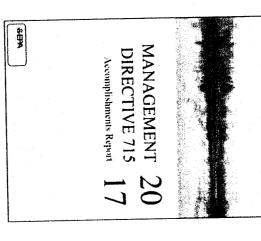
IAM Dive sity!

MD-715 Defined

Agencies are required to conduct ongoing assessments and eliminate barriers that impede free and open competition in Commission (EEOC). the workplace per the Equal Employment Opportunity

Management Directive (MD-715) Annual Accomplishments Report

Barrier Analysis / Workforce Demographics



Great work ORA

Thank you for your participation in the Veterans Non-Paid Work Training Program (2 Vets)

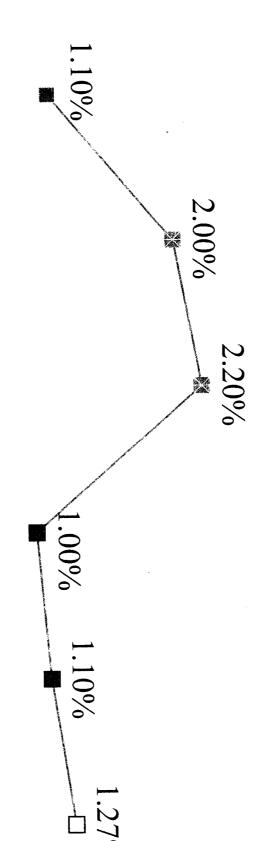
Awesome Job Gulf

Thanks for sponsoring the biannual Gulf Guardian Awards Ceremony that recognizes efforts to protect and preserve the Gulf of Mexico and for showcasing inclusivity and impartiality in environmental justice/cultural diversity categories.



A Noted Change

Persons with Targeted Disabilities (PWTD)



FY13 FY14 FY15

FY16

FY17

FY18 Q1

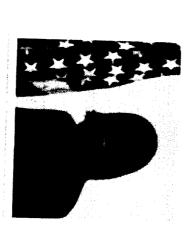
still be prioritized to maintain this goal Due to natural attrition and VERA/VSIP, PWTD's representation fallen below the 2% national goal, recruitment must

I AM De sity!

Way to go APTMD

Hosted one Veteran through the Department of Veterans Affairs Non-Paid Work Experience Program.

3 SEPMs and 4 CHAMPIONS





OPM ROCKS

Thank you for your collaborative Work with Atlanta Public Schools and the Quarterly DLS.

2 SEPMs and 1 CHAMPION

SUPER JOB WPD

The Division coordinated and participated in two career fairs, one at the Polytechnic University of Puerto Rico, and the Universidad del Turabo in Puerto Rico.

2 SEPMs 2 CHAMPIONS





ON A ROLL SESD

Led and Hosted the EPA LGBTAC Annual Conference Training in Orlando, Florida. The committee was nominated for the Suzanne E. Olive Award (National EEO Non-Managerial category).

2 SEPMs and 1 CHAMPION

Priorities and Barriers

National and Regional Priorities:

- Focus on Career Development
- Increase Schedule A Hiring
- Expand the use of Hiring Panels

Regional Barriers:

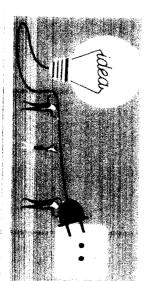
- Targeted Disabilities below the 2% national goal
- Females Less than expected participation rates for Hispanic Males and
- the GS 13 level A Glass Ceiling exists for Asian and Pacific Islander males at

Challenges

- ☐ Agency-wide: Employment & Retention of Persons with Disabilities
- ☐ Targeted Disabilities☐ Hispanic Employment
- I Overall Data collection (Applicant Flow/Exit Interviews)

OPPORTUNITIES

- Human Libraries
- Regional Diversity Day
- Outreach (Coordinated effort with:
- Subject Matter Experts OHCM/SEPMs/Career Counselors/Divisional
- ☐ Competitive Detail Announcements
- ☐ Regional coordinated efforts of Divisional Positive Action Teams

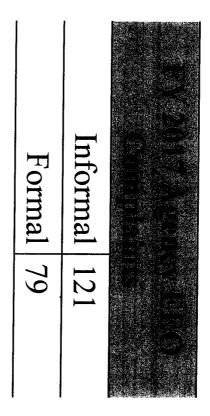


MD 715 Moving Forward

MD 715 FY 18 Barrier Action Rems	Status	Anticipated Timeframe
Focus on retention activities and increase targeted disability to meet 2% national goal.	Ongoing	ı
MD-715 All Managers Meeting	Must schedule	July 2018
Targeted Hispanic Outreach	Held Planning Meeting	3rd/4th Qtr.
Regional Diversity Day – Theme: Inclusion Drives Innovation	Planning Process	July 25, 2018
Mandatory all employee No FEAR training	Available in Skillport E-Learning	Sept. 30, 2018

E-Learning

Title VII - Complaint Data



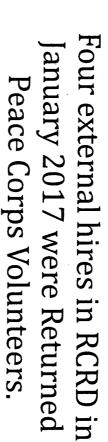
R4 EEC	R4 EEO Complaints	ints
	FY17	FY18 (as of: 2/28/18)
Informal	6	3
Formal	3	0

Title VI - External Compliance

2	Recently Closed/Rejected
	Agreements and Currently in Monitoring
	Resolved Through Informal Resolution
1	Alternative Dispute Resolution
8	Cases Currently Under Investigation
4	Jurisdictional Review
_	Complaints Received and Under

Data Source: External Civil Rights Compliance Office as of 2/16/2018)

AMAZING RCRD



2 SEPMs and 2 CHAMPIONS



YOU DID IT SFD

Supported one manager who participated in a detail opportunity at HQs

2 SEPMS



FANTASTIC ORC

Two attorneys attended the Women in Leadership Conference and the Deputy Regional Counsel attended the Federal Executive Institute.

2 CHAMPIONS

WE APPRECIATE

Your continued support

Your leadership

******************* Your on-time MD 715 submissions

Our Requests:

Help fill SEPM/Executive Champion

Vacancies

- Veterans Employment Program/SEPM
- Asian American Pacific Islander/Champion





UNERSITY DAY

Theme: Inclusion Drives Innovation

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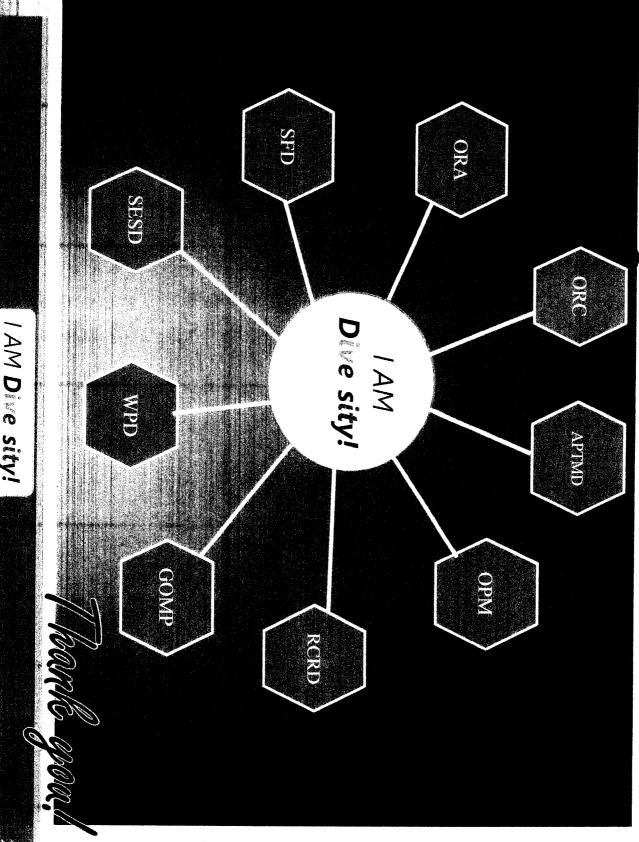
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Leadership

You are part of our success



I AM Dive sity!

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April 2, 2018 -April 8, 2018

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Monday, April 2

- 10:30am 11:00am FYI ~ Trey: Teleconference to discuss ACC Responsible Care Conference Session Roczniak, Dan
- 12:00pm 12:30pm Biweekly Meeting with Directors: Beverly Banister (RA's Small Conference Room) Glenn, Trey ↔
- 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs
 (New Conference Line # 202-991-0477 Conference ID: (b)(6)
- 1:00pm 2:00pm APTMD Staff Meeting (12B: Call in number 404-562-9990. Access Code (b)(6) Banister, Beverly €
- **1:00pm 1:30pm Meeting with Honeywell** (RA's Conference Room) Glenn, Trey
- 1:00pm 2:00pm Senior Leadership VTC (RA Conference Room)
- 2:00pm 3:00pm Copy: Senior Staff Meeting (Alm Room) Adm14Pruitt, Scott ↔
- 3:30pm 4:00pm Biweekly Meeting with Director: Franklin Hill
- 4:30pm 5:00pm Discussion: Trey Glenn and Henry Darwin

Tuesday, April 3

2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC - North New call in #: 202-991-0477 Conference Code: (b)(6) Grantham, Nancy O

Wednesday, April 4

- 10:30am 11:00am Check-in with Suzanne Armor (Blake's Office) Ashbee, Blake
- 11:00am 11:45am Briefing: Brenda Massey CWA Section 404
 Enforcement Case (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL)
 Glenn, Trey
- 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs
 (New Conference Line # 202-991-0477 Conference ID: (D)(6)
- 1:00pm 1:30pm Briefing: Gulf of Mexico Aquaculture Permitting
 (RA's Conference Room) Glenn, Trey
- 2:00pm 2:30pm Discussion: Nashville CSO/SSO CD (Via Telephone (Call in number 720-279-0026 Passcode (b)(6) Glenn, Trey
- 2:30pm 3:00pm Discussion: Dekalb County
 (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) Glenn, Trey
- 3:00pm 3:30pm 404 Delegation
 (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) Glenn, Trey

Thursday, April 5

- 9:30am 10:00am General Discussion Responsiveness to the States (RA Conference Room) Heard, Anne
- 9:30am 9:45am Meet and Greet with Jay Jensen (Southern Regional Director National Fish & Wildlife Foundation) (RA's Private Conference Room) Glenn, Trey
- 10:15am 10:45am Dekalb County: Follow-up (RA's Private Conference Room) Glenn, Trey
- 12:30pm 12:40pm 5 Minute Follow-up Discussion with Ken (RA's Private Conference Room) Glenn, Trey
- 1:00pm 1:30pm Meeting with Franklin & Randall (SF) (RA's Private Conference Room) Glenn, Trev
- 3:00pm 3:45pm OCIR Weekly Regional Call (3428-WJCN) Richardson, RobinH ○

Friday, April 6

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs
(New Conference Line # 202-991-0477 Conference ID: (b)(6)
Grantham, Nancy O

Saturday, April 7

Sunday, April 8

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[23][基] 4:00-5:30 4:00-5:00 4:00-5:00	12:30-2:30 1:00-2:00 1:00-2:00	11:00-1:30 11:30-12:30 11:30-12:30 11:30-12:30	11:30-1:30 Noon1:30 Noon-1:00 Noon-1:00	1:00-5:00 1:30-3:30 1:30-2:30 2:30-3:30	11:30-1:30 2:30-3:00 4:30-5:00 5:00-5:30	11:30-1:30 3:00-3:30
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Belynda Roebuck Felicia Williams Rhonda Purnell	Belynda Roebuck Wanda Hudson Linda Tyson	Belynda Roebuck Jane Lindsay Odessa Williams	Belynda Roebuck Jane Lindsay Diane Moon Ethel Jimenez	Belynda Roebuck Jane Lindsay Julia Cacho Beth Soltani	Belynda Roebuck Ethel Bailey Emily Atkinson Caroline Kenely	Belynda Roebuck Crystal Edwards
(202) 564-5739 (312) 353-5697 (215) 814-2188	(202) 564-5739 (404) 562-9351 (206) 553-1234	(202) 564-5739 (617) 918-1281 (214) 665-8307	(202) 564-5739 (617) 918-1281 (303) 312-6532 (415) 947-4277	(202) 564-5739 (617) 918-1281 (913) 551-7071 (212) 637-5038	(202) 564-5739 (202) 564-5149 (202) 564-1850 (202) 566-2235	(202) 564-5739 (202) 564-1661

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April 9, 2018 -April 15, 2018

April 2018						
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Monday, April 9

REMINDER: Review Sanford Gasification Draft Press Release/Media Advisory - Lincoln, Larry

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)

- **1:00pm 2:00pm APTMD Staff Meeting** (12B: Call in number 404-562-9990. Access Code (b)(6) Banister, Beverly €
- 2:00pm 3:00pm Copy: Senior Staff Meeting (Alm Room) -Adm14Pruitt, Scott

Tuesday, April 10

Charlotte Pipe & Foundry Visit (Charlotte, NC) - Glenn, Trey

■ 11:00am - 11:45am BF Goodrich Update (202-991-0477; (□)(6) Glenn, Trey

2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC - North New call in #: 202-991-0477 Conference Code: (b)(6) Grantham, Nancy

Wednesday, April 11

12:00am CAPCA (Asheville, NC) - Glenn, Trey

第 9:00am - 10:00am EVS Follow up Discussion (R4-15T70-WPD-Div-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Zapata, Cesar

11:00am - 1:00pm Region 4's Hurricane Irma Recovery (Conference Room 10T33) - Swingle, Pam

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

🏙 2:00pm - 3:00pm Meeting with Shea - Ashbee, Blake

Thursday, April 12

- 12:00am CAPCA (Asheville, NC) - Glenn, Trey

3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) Richardson, RobinH ○

Friday, April 13

8:00am - Reminder People Plus Approval Day O

9:00am - Peopleplus approval day

10:30am - 11:15am Grenada Meeting Prep (RA's Conference Room (call in number 404-562-9997 code (b)(6)) Glenn, Trey

11:30am - 11:40am Discussion: MOU (RA's Private Conference Room) - Glenn, Trey

11:45am - 11:55am Discussion: Tribal Consultation Documents
(RA's Private Conference Room) - Glenn, Trey

12:30pm - 1:00pm Discussion: ELMS (Via Telephone (404) 562-9997 code (b)(6) - Glenn, Trey

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
Grantham, Nancy

2:30pm - 3:30pm FW: Briefing MS Phosphates (3146 WJC West Conference Line 202-991-0477 conf id (b)(6) - Breen, Barry

Saturday, April 14

Sunday, April 15

BF GOODRICH SUPERFUND SITE

BACKGROUND:

- The Site is the location of multiple active chemical plants that have operated along the Tennessee River since the 1950s.
- Early operations led to the contamination of soil and ground water beneath the chemical plants, the floodplain along the river, and both in and beneath the river. EPA estimates that approximately 3.5 million cubic yards of soil is contaminated by non-aqueous phase liquids (NAPLs). NAPL is a term used to describe contaminants in a liquid solution that do not dissolve in or easily mix with water and flow separately from ground water.
- The potentially responsible parties for the site are financially viable and all federal expenditures are offset through cost recovery.

STATUS:

- Region 4 issued a Proposed Plan to clean up the Site in November 2017 totaling \$244 million. The costs include: \$143 million to excavate NAPL beneath the river; \$84.4 million for a subsurface containment wall; and \$16 million for ground-water cleanup beneath the river.
- Over 200 pages of comments were received, primarily from the PRPs, mainly focusing on the NAPL excavation beneath the river.
- In response to these comments, EPA has evaluated cost-effective alternatives to address the NAPL beneath the river. Region 4 proposes to revise the proposed alternative to address the NAPL beneath the river by merging the on-shore/off-shore NAPL area and expanding the Technical Impracticability (TI) zone. Upon approval, the EPA will publish an Amended Proposed Plan for public review (30 days) and comment.

KEY POINTS TO CONSIDER:

- Both HQs and Region 4 have agreed that the on-shore remedy as proposed in November 2017, is a protective and acceptable preferred remedy.
- The GW restoration policy establishes MCLs as ARARs in Class I/II (drinking water/potential drinking water aquifers); therefore, under CERCLA, ARARs must be attained or waived.
- On March 9th, the Region met with HQ and developed an alternative to the Proposed Plan that included a phased approach with a stabilization component.
- Region 4 no longer supports stabilization of the river NAPL area, because it would not provide any more protectiveness than what I'm proposing in today's revised approach.
 - o True GW would not be restored under this revised approach, just as GW would not be restored if stabilization were implemented.
 - o True While stabilization would create a waste management area (WMA), again, it still would not restore GW.
 - o However, the Region's revised approach and the stabilization approach both provide the same degree of protectiveness in that there are no receptors.
- Under the revised approach, lines of evidence established for the on-shore TI zone should also be applied to the off-shore river NAPL:
 - Volume of NAPL
 - o Hydro-geologic setting
 - o Plant infrastructure

- The off-shore NAPL is actually the same material from on-shore sources that have migrated beneath the river and is located in the same geologic zones as the on-shore NAPL.
- EPA initially separated the on-shore and off-shore NAPL zones in the FS because it was presumed that different technologies would need to be utilized for the cleanup of contamination beneath the river versus beneath the on-shore facility. Although this is generally an option, EPA has since concluded that the strategy to be implemented on-shore would also effectively address the off-shore NAPL beneath the river and provide for the attenuation of ground water to MCLs.
- The revised approach addresses your concern (Mr. Administrator) regarding NAPL source under the river; by incorporating an enhanced design and extraction remedy to remove NAPL to the maximum extent practicable, and a containment wall that will prevent further migration of residual NAPL.
- Therefore, the Region recommends a front-end TI Waiver for the off-shore river NAPL because of the following reasons:
 - o It is protective;
 - o It is supported by KDEP and site PRPs;
 - o It reconciles potential discrepancies and concerns with the November 2017 Proposed Plan;
 - o Use of a TI-waiver is consistent with the Agency's ground-water restoration policy;
 - o It provides continuity with the on-shore remedy; and
 - o It provides final remedy closure and long-term stewardship of performance objectives.
- Approval of the revised path forward is consistent with the National Contingency Plan (NCP); and it supports your priorities, Mr. Administrator, of implementing innovative approaches to expedite cleanup of CERCLA sites and working with State partners in support of Cooperative Federalism.

NEXT STEPS (With EPA Administrator approval):

- Issue public notice to document the merger of the On-Shore/Off-Shore NAPL areas.
- 30-day comment period on public notice and public meeting.
- Conduct public notice and meeting concurrent with preparation of Draft Responsiveness Summary from initial comment period.
- Prepare and brief ROD for EPA Administrator's signature July 30, 2018.

REVISED CLEANUP STRATEGY POST AO & OSRTI BRIEFING SUMMARY BF GOODRICH SUPERFUND SITE CALVERT CITY, KENTUCKY March 19, 2018

BACKGROUND

- Pre-Briefing was held for Silvina Fonseca, AO, and Doug Ammon, OSRTI on March 1, 2018.
- Formal briefing was held for AO and other OSRTI representatives on March 2, 2018.
- Meeting purpose was to present R4's recommended approach for addressing the issue of NAPL excavation from beneath the Tennessee River raised by KDEP and the PRPs during public comment on the Proposed Plan.
- After the meeting a summary of "Pros and Cons" was developed to flesh-out two potential options with AO and OSRTI to address their issues.
- From this process R4 Superfund developed a third approach that the Program believes addresses OSRTI's goal of groundwater restoration, along with maintaining the current ROD schedule of July 30, 2018.

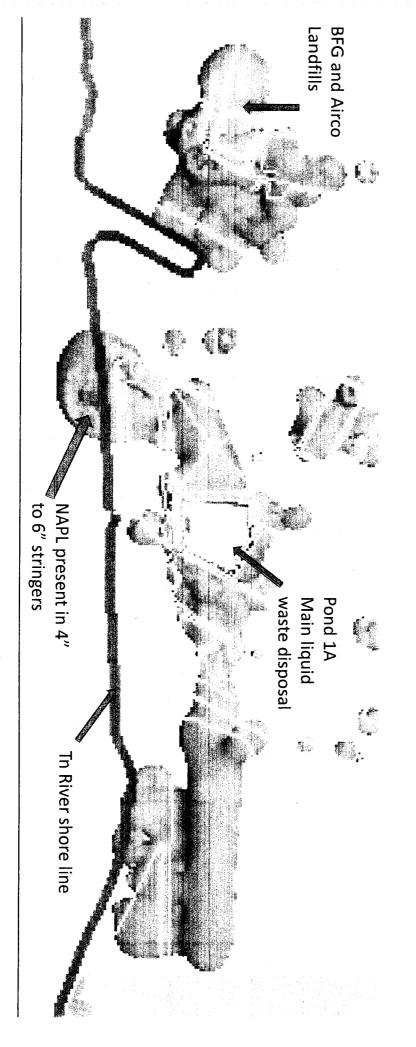
POTENTIAL OPTIONS FOR PATH FORWARD

- FS and Proposed Plan separated the "on-shore" and off-shore" areas due to different engineering challenges in addressing contamination below water versus below land surface. In retrospect, the NAPL and groundwater contamination beneath the river is an extension of the on-shore NAPL and groundwater contamination.
 - Characteristics of on-shore and off-shore NAPL are the same.
 - Nature of on-shore and off-shore NAPL is the same.
 - Primary purpose for on-shore and off-shore NAPL response is to prevent NAPL migration; restore groundwater; and protect the river.
- Resolve groundwater restoration issue for NAPL area beneath river by merging with onshore response area. Dissolved phase groundwater beneath the river would remain as as a separate response as outlined in the Proposed Plan.
- ROD Selected Remedy:
 - Extend 200-acre on-shore boundary to include 3-acre off-shore NAPL area.
 - By extension, the on-shore elements would also apply to the 3-acre off-shore NAPL area, including the following:
 - NAPL and contaminated groundwater containment,
 - NAPL recovery to the extent practicable,
 - Groundwater restoration RAO with a waiver of the groundwater MCLs due to technical impracticability.
- Issuance of short public notice and 30-day comment period on proposed extension of onshore response to incorporate 3-acre NAPL area beneath river.
- Public notice and comment period needed to primarily document and notify the public that an RAO has been added to for groundwater restoration in the 3-acre NAPL source zone beneath the river.

NEXT STEPS

- Seek OSRTI/AO approval.
- Issue public notice and conduct 30-day comment period.
- Conduct public meeting and document meeting using court reporter.
- Concurrent with comment period, prepare draft response to Responsiveness Summary.
- Based on public comment and AO/OSRTI feedback on Draft Responsiveness Summary, prepare draft ROD.

to the right along the interbeds and to the lower left, out under the river. Waste/NAPL migrated from Pond 1A under gravity



April 16, 2018 -**April 22, 2018**

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Monday, April 16

12:00am Hold-Chicago

- 繼 9:30am 11:00am Discussion: Transition Issues (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Ashbee, Blake
- 🌋 12:00pm 12:30pm Biweekly Meeting with Directors: Beverly Banister (RA's Small Conference Room) - Glenn, Trey
 - 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (D)(6)
- # 1:00pm 2:00pm APTMD Staff Meeting (128: Call in number 404-562-9990. Access Code (b)(6) - Banister, Beverly
- 2:00pm 3:00pm Copy: Senior Staff Meeting (Alm Room) -Adm14Pruitt, Scott
- 驪 3:00pm 4:00pm Business Review Follow-up / RCRA Permits (RA's Conference Room) - Walker, Mary
- 🏙 3:30pm 4:00pm Biweekly Meeting with Director: Franklin Hill (RA's Small Conference) - Glenn, Trey

Tuesday, April 17

- 12:00am Hold-Chicago
- 龖 9:00am 1:00pm April's Regional Monthly Review (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey
- 1:30pm 2:00pm General Discussion with Jeaneanne (Teleconference) - Ashbee, Blake
- 2:00pm 2:45pm General Discussion Sanford Gasification SWRAU (RA Conference Room) - Ashbee, Blake
- 2:30pm 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC - North New call in #: 202-991-0477 Conference Code: (b)(6)Grantham, Nancy

Wednesday, April 18

- 8:00am Travel GMPO
- 医感染性皮肤 囊藻 建邻亚硫酸亚汞 🏙 11:00am - 11:30am (To be rescheduled) State Science Partnership Program Pilot info (RA's Private Office) - Ashbee, Blake
- 🏙 11:30am 12:00pm FW: FYI ~ Trey: ETTP Water management Path Forward (Via Telephone) - Glenn, Trey
 - 12:30pm 1:15pm Dekalb Check-in Call in (404) 562-9997 pin (b)(6) R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn,
 - 12:30pm 1:15pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
- 1:00pm 1:30pm Oak Ridge (RA's Conference Room Call In (202) 991-0477 pin: (b)(6) Glenn, Trev
- **1:45pm 2:30pm Daice**l Brief (Conference Phone # (202) 991-0477 Conference ID (b)(6) - Glenn, Trey
- 2:30pm 3:30pm BF Goodrich (Only) Call in # (202) 991-0477 pin: (b)(6) (RA's Conference Room and via Telephone) - Glenn, Trey

Thursday, April 19

- 📠 9:00am 10:00am FYI ~ Trey: National Rural Electrical Environmental Association - Environmental Conference (Lexington,
 - 1:00pm 1:30pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy
- 1:15pm 1:45pm General Discussion ORA Reorganization (RA Conference Room) - Ashbee, Blake
- 3:00pm 3:45pm OCIR Weekly Regional Call (3428-WJCN) -Richardson, RobinH
- 4:00pm 5:00pm FYI ~ Trey: Meeting with Jim Noles (Birmingham)

Friday, April 20

- 📓 10:00am 10:30am General Discussion Environmental Grants and Awards Responsibilities (RA Conference Room) - Ashbee, Blake
- 🌃 12:00pm 1:30pm Lunch
 - 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy:
- 1:00pm 1:30pm ELMS Readiness Assessment next steps call-in # (404) 562-9978 code: (b)(6) (TBD) - Walker, Mary

Saturday, April 21

Sunday, April 22

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Region 4 Monthly Business Review

April 17, 2018 - 9:00 AM - 1:00 PM

AGENDA

1. Opening Remarks	T. Glenn
2. Review of Action Items from Previous Meeting	D. Fifadara
3. Overview of Bowling Chart changes	D. Fifadara
4. Performance Metrics Review	D. Fifadara
 [#1] Permits In Backlog [#2] Number of Non-Attainment Areas [#3] Number of SIPS on Backlog [#5] Superfund Sites RAU [#6] Brownfields Sites RAU [#7] RCRA Corrective Action Sites RAU [#8] LUST Cleanups That Meet Risk Based Standards [#12] Significant Non-Compliance Rate (NPDES DMRs) [#13-21] Agency Wide Reporting Metrics 	APTMD, WPD, RCRD APTMD APTMD SFD RCRD RCRD RCRD RCRD WPD OPM
5. Status of Funds	K. Eubanks
6. ELMS Readiness Assessment	K. Lapierre
7. Responsiveness to States Measure	M. Walker/B. Ashbee
8. Additional Regional Measures	D. Fifadara
9. Review of Action Items and Wrap-up	D. Fifadara
10. Closing Comments	T. Glenn

Next Meeting: Tuesday, May 15th, 2018 - 9:00 AM - 1:00 PM

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director be set up this meeting? Yes _x_		subject, and is h	ne/she awar	re of your request to	
NOTE: A briefing sheet needs to accompany this meeting request					
Date of Request: 4/16/2018					
Requestor: Caroline Freems Phone No.: 404-562-8976	an				
Name of Meeting: PR event for Sanford Gasification SWRAU					
Purpose of Meeting: Meeting requested by Blake Ashbee to discuss final plans for the Sanford Gasification SWRAU PR scheduled for 4/23. The SWRAU was signed 3/1/2018.					
Is the Meeting Date Sensitiv	re? Yes X No □	Deadline Dat	e: 4/16/2018		
Meeting Date/Time Preference	e #1	Date: 4/16/20	18 Ti	me: 03:00	
Meeting Date/Time Preference	e #2	Date:	Ti	me:	
Meeting Date/Time Preference	e #3	Date:	Ti	me:	
<u>Duration of Meeting</u> : Unless otherwise indicated meetings will be scheduled for 45 minutes: 30 mins to present/15 mins Q&A Do you need a conference number: Yes NOX					
Background: From the 1880s until 1951, manufacturing of water gas and carbureted water gas took place at the site. Manufacturing operations included carbonization or destructive distillation of bituminous coal and coke. Operations generated waste, including tars and condensates, and stored the waste in gas holder tanks on site. The Florida Public Utilities Company (FPUC) currently owns most of the site. EPA did not list the site on the NPL but considers it an NPL-caliber site and is addressing it through the Superfund Alternative Approach.					
The Sanford Gasification Plant (SGP) Superfund site in Sanford, Fla. achieved the Site-wide Ready for Anticipated Use (SWRAU) milestone on 3/1/2018. The SWRAU designation is significant because it formally announces that EPA has completed land-based cleanup at the site and that the site's land is now available for reuse by the Sanford, FL community.					
Expectations from Meeting (Please be specific: Are you looking for a decision, guidance?)					
If you are looking for a decision, give a date by when this decision must be made3/28/2019_					
No. of Participants: (It is very important that the RA's office is aware of how many and whomno surprises; i.e., we were told 2 staff members and 10 show up)	Names of Require Blake Ashbee Caroline Freeman Shelby Johnston Derek Matory		Optional Invitees: Franklin Hill Randall Chaffins		

Requested Meeting Location:

***Please email <u>final</u> slides, background documents etc., to <u>Wanda Hudson</u> and <u>Brandi Jenkins</u> 2-days prior to the scheduled meeting; failure to receive finalized documentation may cause your meeting to be rescheduled. Your Power-point presentation (if any) will be loaded and ready for showing at the scheduled meeting. All slides and background information will be printed for the RA, DRA, their Special Assistants and the COS by the front. For any critical issues that need to be elevated, please email Brandi Jenkins and Blake Ashbee.

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Sanford Gasification Plant Site

"Promoting Redevelopment and Community Revitalization through Site Clean-up and Reuse"

Monday, April 23, 2018, 1:00 p.m. to 2:00 p.m.

Parking Location: Recovery House (Former Name - currently under renovation)

500 S. Holly Avenue, Sanford, Florida 32771

Event location: Parcel to the west – directly adjacent to parking area along West 6th St. (look for the tent)

Event Program

Franklin E. Hill, Program Moderator Superfund Division Director U.S. EPA, Region 4

1:00	Welcome	Mayor Jeff Triplett, City of Sanford
1:05	Remarks	Onis "Trey" Glenn, III, Regional Administrator EPA Region 4
1:15		Jeff Prather, Director, FDEP Central District
1:25		Greg Corbett, Environmental Managing Director, Southern Gas Company
1:35		Congressional Rep (Invited – availability TBC)
1:45		Ribbon-Cutting Ceremony
1:50		Media Interviews, Dawn Harris
2:10	Site Tour	Shelby Johnston, EPA Site RPM and SWRAU Coordinator

The weather projection for April 23rd is a high of 82 F and low of 65 F with 20% chance of rain.

Dress Code:

Business/Business Casual

Electronic Directions:

 $\frac{\text{https://www.google.com/maps/dir/Orlando+International+Airport,+Jeff+Fuqua+Boulevard,+Orlando,+FL/500+S+Holly+Ave,+Sanford,+FL+32771/@28.6171864,-}{}$

 $\frac{81.4248886,11z/am=t/data=!4m13!4m12!1m5!1m1!1s0x88e76327c6b492f3:0xad4ab9369411e16d!2m}{2!1d-81.308083!2d28.4311577!1m5!1m1!1s0x88e7130ae6f3537d:0x25d3b8e6ddfa5f8a!2m2!1d-81.2756061!2d28.807768}$

List of POCs, mobile numbers:

Caroline Freeman, Branch Manager (404-754-1736 or 678-733-2476)

Shelby Johnston, (404-858-4288 or 423-645-4408)

LaTonya Spencer, CIC (404-245-1213 or 678-575-8145)

Attendees List:

EPA Region 4

O. Trey Glenn (RA)

Blake Ashbee (Chief of Staff)

Brandi Jenkins (SA, RA)

Franklin E. Hill (SF Director)

Caroline Freeman (Branch Chief)

Derek Matory (Section Chief)

Shelby Johnston (RPM)

LaTonya Spencer (CIC)

Kim Jones (Attorney)

Byron Myers (OGR)

Dawn Harris (OExA)

FDEP

Joseph Ullo, FDEP's Director of the Division of Waste Management - Tallahassee

Jeff Prather, FDEP Central District Director – Orlando

Local Elected Officials

Mayor Jeff Triplett, City of Sanford

City Commissioner Dr. Velma Williams, City of Sanford

Maybe - Senator and Congressional staffers. Should have confirmation on those early next week.

PRP Group

Marla Reardon - Duke Energy Project Manager and Sanford Group LLC Main Project Manager

Greg Corbett- Southern Gas Company

Tom Maurer – City of Sanford Attorney

Tomey E. Tuttle - FP&L

Bill Pence- Attorney FPUC

Michele Ruth- Consultant for FPUC

Recovery House

Dr. Ash Bhatt - Current Reuse Property Owner

Q/As

Q. Why is Sitewide Ready for Anticipated Use (SWRAU) Significant?

A. Because it formally announces that EPA has completed land-based cleanup at the site, and that the site's land is now available for reuse.

Q. What are some of the potential reuse for this property?

A. The parcels South of Cedar Ave. are zoned commercial/industrial with potential reuse for shopping, green space, or storage/warehouse;

- o The parcels to the North are zones residential.
- o Minor earth disturbances < 2ft allowed in the monolith area
- No installations of GW wells

- No construction of Basements or subsurface structures in the monolith area
- Q. How was the cleanup addressed at Sanford Gasification?
- A. The Site was divided into three operable units (OUs) with 3 RODs and 1 AROD to expedite cleanup:
 - soil (OU1 ROD signed 2000; AROD 2006), groundwater (OU2 ROD signed June 2001), and sediments in Cloud Branch Creek and the Lake Monroe delta (OU3 ROD signed 2006)
 - o The groundwater cleanup is ongoing
 - The remedial action included removal of 27,000 tons of surface soils, an in-situ stabilization of 143,000 cy of subsurface soils; and
 - Major realignment of Cloud Branch Creek (adding of the culvert addressed flooding from the creek and supports the in-situ remedy)
- Q. What is a Superfund Alternate Site?
- A. A NPL equivalent site that is cleaned up under an alternative agreement to streamline the Superfund process.
 - Sanford Gasification was one of the Region's first SAS.
 - At Sanford, the SAS process was the catalyst for obtaining the RI/FS agreement with the PRP.
 - As such, Sanford Gasification stands out as a prime example of cooperative federalism.
- Q. How many Superfund sites are there in the State of Florida?
 - Total of 85 EPA sites in Florida. 55 NPL sites, 10 Superfund Alternative site (SAS) and 20 deleted NPL sites.
 - There are 37 potential Sites in Florida that can be returned for anticipated use.
 - ♦ 45 Sites in Florida have already been returned for anticipated use. (82 sites in RAU universe 3 of the 85 listed above is not eligible for RAU.
 - Superfund has targeted 5 sites for FY2018 within the Region to return for anticipated use. Sanford Gasification, here in Florida is 1 of those 5.
 - o 57 sites in Florida have been put into reuse including Sanford Gasification.

The Recovery House acquired two of the main site parcels in late 2016, as a Bona Fide Prospective Purchaser (BFPP), for use as part of an addiction rehabilitation/reintegration program. The organization is currently renovating the site building to meet updated code requirements.

Background

Today, the U.S. Environmental Protection Agency (EPA) announced that the Sanford Gasification Plant (SGP) Superfund site in Sanford, Fla. has achieved the Site-wide Ready for Anticipated Use (SWRAU) milestone. The SWRAU designation is significant because it formally announces that EPA has completed land-based cleanup at the site and that the site's land is now available for reuse by the Sanford, FL community.

The site is located in Sanford, 25 miles northeast of Orlando, in Seminole County, Florida. The site includes the former SGP facility, an unnamed tributary and a portion of Cloud Branch Creek (from the unnamed tributary to where the creek discharges into Lake Monroe). Residences and commercial businesses border the site. Potential future uses of the site include commercial or mixed commercial-residential redevelopment.

From the 1880s until 1951, manufacturing of water gas and carbureted water gas took place at the site. Manufacturing operations included carbonization or destructive distillation of bituminous coal and coke. Operations generated waste, including tars and condensates, and stored the waste in gas holder tanks on site. The Florida Public Utilities Company (FPUC) currently owns most of the site. EPA did not list the site on the NPL but considers it an NPL-caliber site and is addressing it through the Superfund Alternative Approach.

Nationwide, redevelopment at Superfund sites has resulted in countless opportunities for communities to reclaim and reuse thousands of acres of formerly contaminated land. Superfund sites designated as Site-Wide Ready for Anticipated Use have significant redevelopment potential and are located near transportation corridors and possess other factors critical to successful redevelopment.

Under Administrator Pruitt's leadership, the Superfund program has reemerged as a top priority to advance the Agency's core mission of protecting human health and the environment.

For more information, please visit: Sitewide Ready for Anticipated Use (SWRAU) Superfund Sites

More information on EPA's cleanup work at the <u>Sanford Gasification Plant site</u> (<u>www.epa.gov/superfund/sanford-gasification</u>)

Senator - Marco Rubio (R)



Education: University of Florida Bachelors 1993
University of Miami: received a law degree
Began public service in 1998 by winning a seat on the West Miami City
Commission. Rubio was victorious in his bid for the Florida House of
Representatives in 1999. He became the majority leader in 2003 and then
speaker of the House three years later. In 2009 and 2016, Rubio won his
campaign for the U.S. Senate.

Senator - Bill Nelson (D)



Education: University of Florida attended and later transferred to Yale University University of Virginia: received a law degree

In 1965, during the Vietnam War, he joined the U.S. Army Reserve. He served on active duty from 1968 to 1970, attaining the rank of captain, and he remained in the Army until 1971. Nelson was admitted to the Florida bar in 1968, and began practicing law in Melbourne in 1970.

Nelson's public service career began in 1972, with his election to the Florida Legislature. He then served six terms in the U.S. Congress representing Orlando and the Space Coast, becoming an early champion of the environment. In January 1986 Nelson became the second sitting member of the United States Congress to fly in space, serving as a payload specialist on the Space Shuttle *Columbia*. In 1994, Nelson was elected to the Florida Cabinet as state Treasurer, Insurance Commissioner and Fire Marshal. During his six years in the post. Nelson was first elected to the U.S. Senate in November 2000.

Congresswoman – rep. Stephanie Murphy (D)



Education: Georgetown University M.S. Foreign Service College of William and Mary B.A. Economics

Murphy represents Florida's Seventh Congressional District in the U.S. House of Representatives. The district includes all of Seminole County and much of northern Orange County, including downtown Orlando, Maitland, Winter Park, and the University of Central Florida. She currently serves on the House Armed Services Committee and the House Small Business Committee, where she serves as Ranking Member on the Subcommittee on Contracting and Workforce.

Previously, Murphy was a businesswoman and college instructor after serving as a national security specialist in the Office of the U.S. Secretary of Defense where

she received numerous awards for her distinguished service, including the Secretary of Defense Medal for Exceptional Civilian Service. Prior to her public service, Stephanie was a strategy consultant at Deloitte Consulting.

Governor - Rick Scott (R)



Education: University of Missouri, Kansas City graduate
Southern Methodist University's Dedman School of Law: received law degree.
He served in the United States Navy as a radio technician before starting his career, joining the Dallas law firm Johnson & Swanson, where he became partner. In 1987, he co-founded Columbia Hospital Corporation with two business partners; this merged with Hospital Corporation of America in 1989, to form Columbia/HCA.

Scott announced his intention to run for governor of Florida in 2010 and won. In 2014, he won re-election.

FDEP Secretary Noah Valenstein



Education: University of Florida's School of Natural Resources and Environment graduate

Florida State University: received Law Degree

Noah Valenstein was appointed Secretary of the Florida Department of Environmental Protection by Governor Rick Scott on May 23, 2017. He returned to DEP with nearly 15 years of public service experience with governmental agencies and a passion for natural resource protection.

Noah most recently served as executive director for the Suwannee River Water Management District, where he oversaw the protection and conservation of water and land resources across 15 counties. His previous experience includes working on environmental, agricultural and energy issues in the Executive Office of the Governor and Florida House of Representatives, as well as with several of

Florida's leading environmental nonprofit groups.

FDEP Director Jeff Prather, Central District



Education: Ferris State University, B.S in Biology and Industrial/Environmental Health Management

Jeff Prather has been with the Central District for over 17 years serving in various positions, including inspector, ombudsman and assistant director. In 2015, Prather was appointed by Governor Scott to the Wekiva River Basin Commission. Prior to his work with the department, Prather worked in private industry as an environmental health and safety professional, overseeing all aspects of regulatory compliance and pollution prevention.

Mayor Jeff Triplett - Sanford



Education: Missouri Southern State University graduate.

He has been a community banker for 20+ years and is currently the Senior VP at United Legacy Bank. Prior to being elected Sanford Mayor in Nov 2010, Jeff served as Chairman of the Downtown Sanford Community Redevelopment Agency (CRA). He is also the former Chairman of the Seminole County Port Authority, the Sanford Chamber of Commerce and Vice-Chairman of the Sanford Airport Authority. Currently Jeff represents the City of Sanford serving on the Board of Directors for MetroPlan Orlando, Seminole County Chamber of Commerce, Leadership Seminole, Seminole County Tourism Development Council and the Sanford Airport Authority. Mayor Triplett was elected to the Board of Directors of the Florida League of Mayors in October 2017 for a term ending August 2019. Jeff was re-elected in November 2014 for a term that ends January 2019.

Mr. Tom George, Deputy City Manager – Sanford



Mr. George has 33 years of experience in the Transportation field while working for the State of Florida, Dept. of Transportation, Seminole County Road Operations and most recently, the City of Sanford. While with Seminole County he was nominated for the Seminole Count's Manager of the Year Award for 3 consecutive years (1997-1999), receiving the award in 1998. Mr. George is an active member of various organizations including the APWA, Florida Association of County Engineers and Road Superintendents, international Municipal Signal Association and the Sheriff Dept.'s Citizen Advisory Council. Thomas.George@Sanfordfl.gov 407-688-5086

Seminole County Commissioner – Brenda Carey

BUSINESS EXPERIENCE

- President & CEO, The Carey Company
- Licensed Real Estate Agent & Broker
- Management Program, Crummer School of Business Management, Rollins College

PUBLIC SERVICE

- Elected to Seminole County Commission 2004; reelected 2008 & 2012
- Currently represents the County on the following boards:
- Central Florida Expressway Authority
- Community Alliance
- Orlando Sanford International Airport
- Seminole County Homeless Task Force



City Commissioner – Velma Williams District 2



Education: Florida Agricultural & Mechanical University (FAMU) B.S in Sociology with certification in Social Science and Elementary Education. Florida State University M.S. Education Degree in Guidance and Counseling in

1967

Ph.D. in Counseling and Human Systems in 1975

Dr. Williams has been the Commissioner for District 2 since 1997. Her tenure as a City of Sanford elected official to-date is 18 years with 8 years as Vice Mayor; her current term ends January 2019.

She has served in a plethora of civic, social and political organizations and on numerous boards and committees including: the Sanford Chamber of Commerce, liaison alternate to the MetroPlan Orlando, Seminole County Tourism Council, liaison to the Sanford Housing Authority, Chairperson of the NAACP Education Committee, Sherriff Don Eslinger's Central Florida Taskforce on

Gang Violence and the African American East/Westside THINK TANK.

Over the span of many distinguished years, Dr. Williams has received several Special Honors and Awards. The honors and awards include: Crooms Academy Association Legacy of Hope and Love Award, Seminole County Health Department's African American Community Pioneers Award, numerous Martin Luther King, Jr., and NAACP Humanitarian, Community Service, Presidential and Lifetime Awards, VITAS Healthcare Community Champion Lifetime Award, ITT Technical Institute Community Service Award, the Orlando Times Women's Central Florida Leadership Community Service Recognition, the Florida Sun Newspaper First African American Achievers Award of Central Florida, and the City of Longwood's 2010 Martin Luther King, Jr. Honoree Community Service Award. Dr. Williams is also the "First" of many honorable recognitions such as: the First female City of Sanford Commissioner, the First African American female City of Sanford Commissioner, the First female Vice Mayor, the First African American Vice Mayor, and the First female, First African American, First City of Sanford Government Official to testify before the U.S. Congress in Washington, D.C., pertaining to Central Florida's Transportation needs, (SunRail).

State Rep. David Simmons (R)- 29th District



Education: Tennessee Technological University, B.S., Mathematics, graduated 1974

Vanderbilt University Law School: received Juris Doctor in 1977

Member of the Florida Senate, representing since 2010. He has represented the 9th district, encompassing Seminole County and southern Volusia County, since 2016, after being redistricted from the 10th district, and before that, the 22nd. Simmons previously served as a member of the Florida House of Representatives, representing the 37th district from 2000 to 2008. Moved to the state of Florida 1977. He served on U.S. Senator Connie Mack's Federal Judicial Advisory Committee from 1989 to 1992, and joined the law firm of de Beaubien, Knight, Simmons, Mantzaris, & Neal, LLP, where he currently serves as an attorney and financial managing partner

State Rep. Scott Plakon (R)- 9th District



Education: Stetson University, B.S., Psychology, 1977-1981 He currently serves as a member of the Florida House of Representatives, representing the 29th District, which includes parts of Heathrow, Lake Mary, Longwood, and Sanford in western Seminole County, since 2014, previously representing the 37th District from 2008 to 2012. **RPOF State Executive Committee, 2015**

Seminole County Delegation, Chair, 2010

Awards

Americans for Prosperity-Florida, Legislator of the Year Award, 2011 Children's Home Society of Florida, Legislator of the Year Award, 2011 Ovarian Cancer Alliance of Florida, Legislator of the Year Award, 2011 The American Conservative Union (ACU), Defender of Liberty for the 2011 Session of the Florida Legislature

Christian Coalition of Florida, Faith and Family Award, 2009, 2010 Florida Chamber of Commerce, Distinguished Advocate Award, 2009, 2010

Associated Builders & Contractors, Friend of Free Enterprise Award, 2009 Florida Family Policy Council, Defender of Marriage Award, 2009 Florida Swimming Pool Association, Legislator of the Year Award, 2009

Thomas K. Maurer, Partner Foley & Lardner LLP- City of Sanford, Attorney



Education: University of Illinois Bachelors in 1978 Florida State University: received law degree in 1981.

Thomas K. Maurer is a partner and environmental business lawyer with Foley & Lardner LLP and chair of the Environmental Regulation Practice. For over 30 years, Mr. Maurer has represented clients in environmental and regulatory matters, including air pollution, hazardous waste management, underground storage tank, groundwater contamination and the siting of controversial projects. Thomas K. Maurer is a partner and environmental business lawyer with Foley & Lardner LLP and chair of the Environmental Regulation Practice. For over 30 years, Mr. Maurer has represented clients in environmental and regulatory matters. His practice includes real estate transactions; environmental contamination issues; all types of environmental permitting and other

government regulatory approvals. Mr. Maurer focuses on making complex environmental issues understandable and manageable. As chair of the Environmental Regulation Practice, Mr. Maurer heads a group of experienced and highly respected attorneys, including six partners listed in Chambers USA.

In the 1980's, before joining Foley, Mr. Maurer was deputy general counsel for the Florida Department of Environmental Regulation, where he represented the state in all aspects of environmental law. Mr. Maurer has extensive experience in rulemaking, statutory revision, administrative hearings, state and federal court proceedings, permitting, enforcement and regulatory interpretation. As chair of the Environmental Regulation Practice, Mr. Maurer heads a group of experienced and highly respected attorneys, including six partners listed in Chambers USA.

Tomey Tuttle - Florida Power & Light



Education: University of Illinois Springfield, MA Environmental Studies, 1992 – 1996 Illinois Wesleyan University, BA Biology, 1974 – 1978

Manager of Waste and Environmental Assessment group in corporate Environmental Services. Managing a team of 5 technical specialist and project managers supporting development, acquisitions, repowering, site closures and management of historical releases.

Marla (Russell) Reardon - Lead Environmental Specialist at Duke Energy Corporation



Education: North Carolina State University, MS Environmental Assessment And Graduate Certificate for Geographic Information Systems, 2009-2012 Western Carolina University, BS, Environmental Health Science, 1991-1993 Determine and prioritize the environmental remediation projects based on risks to human health and environmental impacts, regulatory or legal exposure, stakeholder interests, and costs. Review and interpret regulations affecting project planning, compliance strategy and cost management. Accountability for communicating remediation project status to stakeholders. Lead role in public relations and building community relationships for project acceptance and successful outcomes. Tasks include research, strategy, regulatory interface, negotiation, and project management. Develop and maintain critical relations with

multi-disciplinary experts for achieving project milestones. Management of multiple projects simultaneously including petroleum, solvent and Manufactured Gas Plant (MGP) site assessment and remedial implementation. Responsible for development of project scope, bid review, contract administration and project accounting. Direct experience working within local, state and federal programs.

Baker-Hostetler Esq. - William L. Pence, Partner - FPUC Attorney



Education: The London School of Economics and Political Science, LL.M. 1983 Syracuse University College of Law, received J.D. 1979, *magna cum laude* Berry College, B.A. 1976, *cum laude*

Bill Pence focuses his practice on environmental and energy representation. He represents utilities, municipalities, bulk fuel storage and pipeline companies, and industry before state and federal environmental regulatory agencies. His practice includes managing the investigation and remediation of contaminated properties, using his extensive knowledge of this science-driven field to provide reliable advice to his clients on cost-effective remedial alternatives; negotiating applicable cleanup criteria with regulatory bodies; and representing clients in the defense and pursuit of enforcement and cost recovery claims under CERCLA, RCRA and similar state laws. He also

represents clients in connection with permitting- and compliance-related matters pertaining to petroleum pipelines, terminal facilities and tank farms.

Managing Director, Environment and Sustainability at Southern Company Gas (f.k.a. AGL Resources) – Greg Corbett, P.E.



Education: University of Florida, BS ENV. Environmental Engineering 1990-1995

Over 22 years of experience in the environmental space including compliance, remediation and sustainability. Currently directing and leading the environmental compliance and sustainability program at AGL Resources and all Local Distribution Companies. Responsibilities include company-wide risk mitigation including former manufactured gas plant remediation and environmental compliance (water, waste, land disturbance, air permitting, PCB, and reporting). Direct and lead the sustainability initiatives and technical strategies including waste minimization, greenhouse gas reductions, and climate change strategies. Other responsibilities include merger/acquisition due diligence and renewable energy initiatives.

Dr. Ashish Bhatt, MD



Education: Universidad Iberoamericana Escuella De Medicina, Medical School Graduate 1999 Brookdale University Hospital Med Center, Residency Hospital

Flushing Hospital Medical Center, Residency Hospital Jamaica Hospital Queens, Residency Hospital University of Miami Jackson Memorial Hospital, Fellowship Hospital

Dr. Ashish Bhatt, MD is an addiction psychiatry specialist in Pompano Beach, FL and has been practicing for 19 years. He specializes in addiction psychiatry, child & adolescent psychiatry, and more.

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Enforcement Confidential/Attorney Work Product/Attorney-Client Privileged – withheld
Daicel Safety Systems America, LLC
RCRA Subpart X Permit Termination

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April 23, 2018 -April 29, 2018

	April 2018									
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May 2018										
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Monday, April 23

Trey's Itinerary

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
Grantham, Nancy

- **2:00pm 3:00pm Copy: Senior Staff Meeting** (Alm Room) Adm14Pruitt, Scott
- 3:30pm 3:30pm General Discussion ORD Lead Region (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Ashbee, Blake
- **4:00pm 5:00pm Staff Meeting Prep** (Via Telephone (404) 562-9906 Code (2)(6) Glenn, Trey

Tuesday, April 24

10:00am - 12:00pm Human Library Connection and Administrative Professionals Recognition (Open Invite Please) (Region 4 Library) - Robertson, Veronica

- 10:30am 11:30am FW: CONFIRMED VTC: Daicel Discussion w/
 Region 4 and HQs, Call-in Number: 1 866-299-3188, Code:
 (b)(6)
 (Environmental Protection Agency, Room 3216 William
 Jefferson Clinton -South Building, 1200 Pennsylvania Avenue NW,
 Washington, DC 20460) Bodine, Susan
- 2:00pm 2:30pm Mid-year PARs with Shea (Blake Office) Ashbee, Blake

Wednesday, April 25

- 9:00am 10:00am Meeting with Blake, Ken, and Beverly (12th floor) Glenn, Trey
 - 9:40am 10:00am Discussion with ORC (RA's Private Conference (Room) Glenn, Trey
- 🏙 10:00am 3:00pm SESD Visit (Athens, GA) Glenn, Trey
- 10:00am 10:30am Mid-year PARs Review with Dawn Taylor (Blake's Office) - Ashbee, Blake
- 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy
- **1:00pm 2:00pm Mid-year PARs Review with Suzanne** (Blake's Office) Ashbee, Blake
- ## 4:00pm 5:00pm Oakridge Discussion (RA's Conference Room Call in # (404) 562-9997 code (b)(6) Glenn, Trey

Thursday, April 26

- 8:30am 2:00pm Georgia State Compliance Assurance Meeting (2 Martin Luther King Jr. Drive SW Atlanta, GA 30303 (12th Floor Board
- 9:00am 11:00am Deputy Team Meeting (To Be Determined) -
- # 10:00am 11:30am Regional OAM (Office of Acquisition
- **12:30pm 1:00pm Mid-Year PARS: Allison Wise** (RA's Small
- ## 1:00pm 1:30pm Mid-Year PARS: Denise Tennessee (RA's Private
- # 1:30pm 2:00pm Mid-Year PARS: Larry Lincoln (RA's Small
- 置 1:30pm 2:30pm Reminder: Federal Facilities Training: Thursday,
- **3.00pm 2:30pm Mid-Year PARS: Carol Monell** (RA's Private
- **繼 2:30pm 3:00pm Mid-Year PARS: Ken Lapierre** (RA's Private
- 3:00pm 3:30pm Mid-Year PARS: Jeaneanne Gettle (RA's Private
 - 3:00pm 3:45pm OCIR Weekly Regional Call (3428-WJCN) -
- 🖀 3:30pm 4:00pm Mid-Year PARS: Lakeshia Robertson (Via
- 繼 4:00pm 4:30pm Meet and Greet with CID Leadership

Friday, April 27

- 8:00am Reminder People Plus Approval Day O
 - 9:00am Peopleplus approval day
- 10:00am 10:30am General Discussion with GMPO (Teleconference)
- **鑓 10:30am 11:00am Discussion: Lowndes County** (RA's Conference Room) Ashbee, Blake
- **iii 11:00am 11:15am Call re:BFG** (Via Conference Line (404) 562-9997 Code (b)(6) Glenn, Trey

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

Saturday, April 28

Sunday, April 29

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PACE & E-FEDS

Check out a Human Volume!

APRIL 24, 2018 10:00 AM - 12:00 PM EPA LIBRARY - 9TH FLOOR

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EPA Region 4/Georgia Environmental Protection Division

Thursday, April 26, 2018

DRAFT AGENDA

8:30 Performance Partnership Agreement/Performance Partnership Grant Overview

9:00 am General Communications

- Ensuring Effective communications between agency leadership
- Specific Compliance Assurance activities likely for FY18

10:00 am State Topics

- State Environmental Compliance Problems
- State needs from EPA
- Compliance Assurance Priorities of the State
- Effectively using combined resources to address needs
- Resource Issues (Budget, Work Sharing, Staffing, Technology, etc)

11:00 am EPA Topics

- NEI Update & Status
- CMS
- O Does the State have an Alternate CMS?
- o Best Practices
- Planned Audits
 - o SRF Round 4
- Audit results
 - SRF Round 3 Recommendations
- Training
 - Opportunities
 - Needs
- Data
- Annual Data Metrics Analysis Review
- Citizen Suits
- Tips & Complaints

12:00 - 1:00 pm LUNCH

1:00 – 2:30 pm Program Specific Discussions (Group & Break Out Sessions as needed)

EPA Participants: Trey Glenn, Mary Walker, Beverly Banister, Jeaneanne Gettle, Carol Monell, and

Scott Gordon

GA EPD Participants: [to be provided by EPD]

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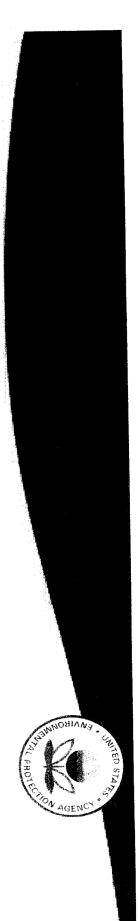
Draft - FY18 R4 S2P2 Announcement 4/17/18 - withheld

Federal Facility Enforcement & Compliance

What are the Federal Government's Obligations? What is EPA's Role?

April 26, 2018

U.S. Environmental Protection Agency Region 4
D. Buxbaum/M. Brock



to the same extent as any other regulated facility. environmental laws and requirements in the same manner and Federal agencies and their facilities must comply with



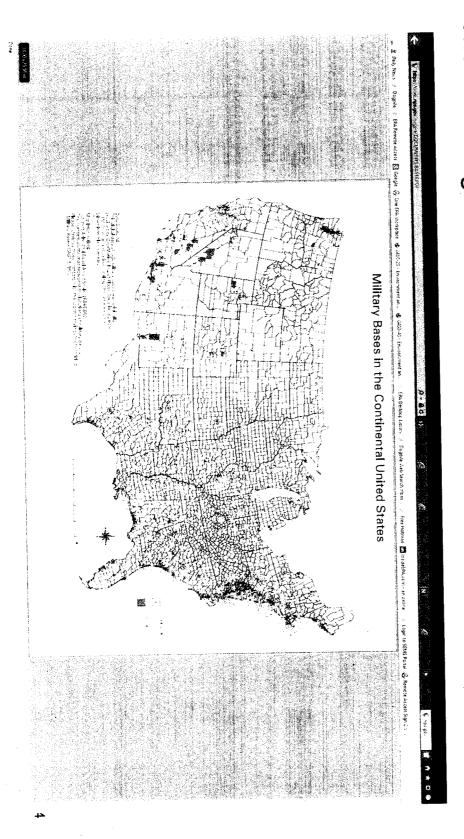
Federal Facilities

- government In general federal facilities are defined as buildings, aircraft, vessels, other vehicles, and property, owned, constructed or manufactured for leasing to the Federal installations, structures, land, public works, equipment,
- Common types of federal facilities are:
- Government-owned/government-operated (GOGO)
- Government owned/contractor operated (GOCO)
- Facilities with various levels of private party involvement at the facility



Context

The Federal government is the single largest polluter.



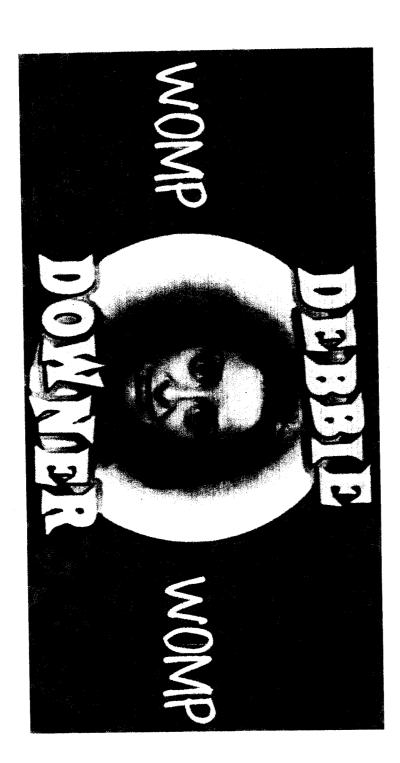


Context

over 700 million acres of land, managed primarily by USDA, DOI, DoD and DOE The Federal government is the single largest polluter, owning

GAO reported in 2015:

- USDA: 1,491 contaminated sites, with no "reliable, centralized site inventory or plan and procedures for completing one . . . E.g., 27,000 to 39,00 abandoned mines, 20% posing risk
- DOI: 4,722 site with confirmed/likely contamination, but 30,000 abandoned mines not yet assessed for contamination
- DoD: 38,804 sites with contamination
- DOE: 16 sites with contamination







The Good News – EO 12088

Executive Order 12088, Federal Compliance With Pollution Control Standards," requires that the federal government

- Ensure that all necessary actions are taken for the prevention, control, and abatement of environmental pollution
- Comply "with applicable pollution control standards, including tollowing:" those established pursuant to, but not limited to, the
- TSCA
- CWA
- PHSA, as amended by the SDWA
- CAA
- SWDA
- MPRSA
- FIFRA



History

Clean Air Act

- 1955 forerunner of the Clean Air Act contained no provision regarding federal compliance with air pollution standards
- agencies "to the extent practicable and consistent with the interests of Congress" that federal facilities shall cooperate with air pollution control the United States and within any available appropriations. 1959 - this statute was amended to provide that it is the "intent of
- from the Secretary of Health, Education, and Welfare, for the limited purpose of controlling air pollution that might endanger human health or 1963 - a new requirement for federal facilities to obtain federal permits
- 1970 Congress revised the CAA's waiver language to require federal unless exempted by presidential determination facilities to comply with federal and state air pollution requirements
- 1977 Amended to make federal facilities subject also to state procedural requirements such as record-keeping, reporting, and applying for permits, and to state administrative and judicial authority.



History

EPA v California Regional Water Resources Control

Board (426 U.S. 200 (1976) Supreme Court held that the states could not require federal facilities to

Amendments to the CWA (1977) – the same manner and extent

obtain discharge permits under the Clean Water Act

DOE v Ohio (1992)

express statement and/or waiver of sovereign immunity For enforcement and/or penalty purposes, there must be a clear

Resulted in the passage of the Federal Facility Compliance Act



Federal Facility Compliance Act

assess penalties against federal agencies The FFCA, enacted in 1992, was intended to authorize EPA to

Senate Report's section of "Background and Need for the Legislation", S. Rep. No. 102-67, at 5-6 (1991)

- cited longstanding "difficulties with Federal facility compliance"
- "The ability to impose fines and penalties for violations of the Nation's environmental statutes is an important enforcement

House Report, H.R. Rep. No 102-111, at 17 (1991)

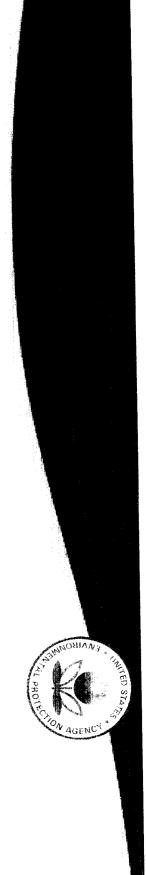
The "Committee intends that provisions for stipulated penalties be included in the order if that is the normal practice in such orders resolving violations by other persons



Federal Facility Compliance Act

The FFCA, enacted in 1992, had four key impacts:

- Subjected Federal agencies to RCRA civil penalties by expanding the waiver of sovereign immunity.
- Provided that Federal employees can be held personally liable for RCRA criminal violations
- Provided new management and reporting requirements with mixed waste respect to the Department of Energy's (DOE's) radioactive
- Identified a process under which conventional and chemical regulatory purposes under RCRA. military munitions are or are not considered to be a waste for



The Energy Policy Act of 2005, amended RCRA Subtitle I

- federal requirements for USTs to the same extent as private Reaffirmed that Federal facilities must comply with state and
- improve the environmental management of Federal facility Established statutory requirements specifically designed to
- Provided a clear and express waiver of sovereign immunity which clarified that state agencies can bring enforcement actions against federal facilities for violations of UST requirements



Waiver of Sovereign Immunity

sovereign immunity: All "recent" statutory reauthorizations include broad waiver of

- RCRA § 6001 (1992)
- Energy Policy Act of 2005 (UST)
- SDWA § 1447
- TSCA (add section)



DOJ's Dispute Resolution Role – EO 12146 Management of Federal legal resources July 18, 1979, 44 FR 42657

to administratively assess penalties (and other matters): Requests for legal opinion from OLC regarding EPA's authority

- 1-4. Resolution of Interagency Legal Disputes.
- 1-401. Whenever two or more Executive agencies are unable to has jurisdiction to administer a particular program or to regulate a resolve a legal dispute between them, including the question of which particular activity, each agency is encouraged to submit the dispute to the Attorney General.
- 1-402. Whenever two or more Executive agencies whose heads serve at the pleasure of the President are unable to resolve such a specific statutory vesting of responsibility for a resolution elsewhere. legal dispute, the agencies shall submit the dispute to the Attorney General prior to proceeding in any court, except where there is



DOJ/OLC Memoranda - EO 12146

With regard to disputes between EPA and the OFA, focus on

- Unitary Executive Theory
- Whether there is an Article III case or controversy: DOJ's opinion is that there is no case or controversy because
- Not two different "Parties" in the action
- One Executive
- Case Law recognizes that different federal agencies can have genuine differences, i.e., a genuine case or controversy.
- Case law Examples:



DOJ/OLC Memoranda - EO 12146

With regard to disputes between EPA and the OFA, focus on

- Article II Separation of Powers
- DOJ notes that Article II describes the role of the Chief Executive to deprived settle disputes within the Executive Branch. Those cannot be
- Administrative Enforcement does not deprive the Chief Executive from resolving disputes (opportunity to confer with the Administrator in Part 22)
- RCRA 7003, RCRA 3008, SDWA 1447, CAA 113
- Contrast: CERCLA § 106 Administrative Order DOJ concurrence is required.
- Judicial Enforcement may be Constitutional if there is discretion within the Executive Branch to settle or bring the judicial matter.
- Practical implication of discretion
- President's top environmental official available for dispute resolution



DOJ's Dispute Resolution Role - EO 12146

from OLC regarding EPA's authority to administratively assess penalties History of DOJ memoranda - DoD requests for legal opinion

authority can be exercised consistent with the Constitution. (1997) violations of the Act or its implementing regulations, and if so, whether this administratively assess civil penalties against federal agencies for Clean Air Act: Whether the CAA Sections 113(a) and (d) authorize EPA

to assess penalties against federal agencies for violations of RCRA's UST RCRA Subtitle I (UST): Whether RCRA Section 9006(a)(1) authorizes EPA provisions, including field citations. (2000)

Clear statement in the law or clear Congressional intent



DOJ's Dispute Resolution Role - cont'd

In the 2000 query to DOJ, DoD raised concerns about its authority to pay those penalties:

than the specific legislative authority that we have already authority authorizing an agency to pay these penalties other "In general, there does not need to be specific legislative would typically have authority to pay the penalties that have concluded exists for EPA to assess the penalties. An agency agency business, pursuant to the 'necessary expense' principle been lawfully assessed against it in the course of its conduct of or appropriations law



Regulatory Enforcement at Federal Agencies - ACCESS

Access and Inspection Authorities, revised 2013 EPA Brochure: Federal Facilities Inspections: A Guide to EPA's

- Outlines the legal authority for EPA, or one of its authorized environmental laws representatives, to inspect a federal facility for compliance with
- Once the inspector's identity is confirmed the inspector should be provided entry.
- such as social security numbers or home addresses Inspectors are not required to provide personal information,



Regulatory Enforcement at Federal Agencies

RCRA Subtitles C and I

Same manner & extent

SDWA 1431

Same manner & extent. EPA can pursue statutory maximum in

administrative court

CAA

Same manner & extent

- CAFO without filing & approval of RJO
- All above subject to Part 22 hearing procedures (3008(h) part 24), before ALJ, appeal to EAB
- RCRA 6001(b) opportunity to confer with Administrator
- SDWA Order do not have statutory opportunity to confer, but granted as a courtesy
- CERCLA 106 and 104(e)(5)(A) must be concurred on by the Attorney General (EO 12580)



order/12580.html https://www.archives.gov/federal-register/codification/executive-CERCLA - authorities generally held by The President.

- (OFA). the Coast Guard, DoD/DOE and other federal agencies Executive Order 12580 generally distinguishes among EPA,
- Speaks of "functions" rather than "authorities". That is, "The tunctions vested in the President . . . are delegated . . .



WHO IS THE PRESIDENT for purposes of CERCLA Sections 104(a), (b) and (c)(4)?

or the sole source of the release is from any facility or vessel Delegated to the Secretaries of DoD and DOE: with respect to Section 120 under the jurisdiction, custody or control of their departments. releases or threatened releases where either the release is on To be exercised consistent with the requirements of CERCLA



WHO IS THE PRESIDENT for purposes of CERCLA Sections 104(a), (b) and (c)(4)?

custody or control of those departments and agencies. For OFA, delegated to the heads of Executive Departments release is from any facility or vessel under the jurisdiction, where either the release is on or the sole source of the and agencies, with respect to remedial actions for releases or threatened releases which are not on the National Priorities List ("the NPL") and removal actions other than emergencies



WHO IS THE PRESIDENT for purposes of CERCLA Sections 104(a), (b), (c)(4)?

Subject to the above subsections, delegated to the Administrator

That is, for OFAs on the NPL, they are not the President for

- Remedial actions and
- Emergency removals



WHO IS THE PRESIDENT for purposes of CERCLA Section 116?

Delegated to Federal Facilities

116(a) - Conduct a PA/SI

Delegated to EPA

- 116(b) evaluate for ranking on NPL
- 116(c) If this does not occur, explain why not.
- 116(d) Assure the commencement of RI/FS.
- 116(e) Assure substantial continuous physical onsite remedial action



CERCLA Section 120

under CERCLA via CERCLA Section 120: OFAs on the NPL only have authority to respond to a release

- 6 months after inclusion on the NPL, commence the first and the State; RI/FS under a schedule for its completion published by EPA
- Within 180 days after EPA reviews the results of the Ri/FS, Agreement); enter into a Federal Facility Agreement (Interagency
- physical onsite remedial action commenced; Not later than 15 months after RI/FS, substantial continuous
- Remedial actions shall be completed as expeditiously as practicable



CERCLA Section 120

Each FFA shall include at least the following:

- by the Administrator Review of alternatives and selection of remedial action by head of the agency and EPA, or if unable to agree, selection
- A schedule for the completion of each remedial action
- Arrangements for long-term O&M of the facility



CERCLA Section 120

(remember the exercise of 104(a), (b) and (c)(4) consistent with the requirements of CERCLA Section 120. DoD and DOE are supposed to follow that same process



CERCLA Sections 104 and 120

- Federal facilities not on the NPL select their remedies under the authority of CERCLA 104(c)
- Federal facilities on the NPL other than DoD and DOE select their remedies under the authority of CERCLA 120(e) in an
- DoD and DOE facilities on the NPL select their remedies under the authority of 104(c)(4) and direction of CERCLA 120.
- But
- Ft. Ord Toxics Project
- OSI, Inc.



bar of review. Ft. Ord Toxics Project and OSI v US Two cases that evaluated the application of the CERCLA 113(h)

Ft. Ord Toxics Project, 189 F3d 828 (9th Cr., 1999)

- CERCLA 104 and 120 are distinct grants of "authority."
- Removal and remedial are different types of cleanup.
- THEREFORE, the 113(h) bar applies only to removal actions on federal NPL sites because remedial action are conducted pursuant to 120.

(This is where I don't make faces.)



OSI, Inc. v United States, No. 07-10941 (11th Cir., 2008)

- Whether the Air Force's remedial action on private property (once leased to the Air Force) was conducted under 104.
- under' § 104." remedial actions such as the Air Force's in this case are 'selected . . .plain terms of the statute would appear to suggest removal or
- "But § 9620 is titled 'Federal Facilities' and purports to cover application of CERCLA to the Federal Government."
- The Court found that since the property was not on the NPL, the action was taken under 104, and so the 113(h) bar applied. The Court upheld the decision to dismiss for lack of federal jurisdiction.



EPA provides oversight of federal activities:

- Cleanups and transfers, at Federal facilities on the NPL, under an FFA (120(e) and (h)(3)(B), (h)(3)(C) and (h)(4))
- Transfers, at Federal facilities that are transferring property, in limited circumstances (120(h)(3)(B))
- Leasing: When the federal agency is leasing property at a BRAC installation prior to deed transfer
- OPS: Historically, EPA was consulted/concurring role at all federal facilities where the remedy had been selected, designed and determine if the remedy is operating properly & successfully (OPS). implemented but had not reached its RAOs at the time of transfer to
- EPA is currently reconsidering the OPS policy and may make revise the policy to limit EPA oversight to NPL sites



CERCLA 120(a)

- Federal departments, agencies, and instrumentalist must comply non-governmental entities. (a)(1) with CERCLA in the same manner and to the same extent as
- NPL and applicable to remedial actions are applicable to federal All guidelines, rules, regulations and criteria regarding facilities preliminary assessments, NPL evaluations & inclusion on the
- with the guidelines, rules, regulations, and criteria established by the Administrator under CERCLA. guidelines, rules, regulations, or criteria which are inconsistent No department, agency or instrumentality of the US may adopt



on selection of remedial action, selection by the Administrator. instrumentality and the Administrator OR if unable to reach agreement selection of remedial action by head of Federal department, agency or CERCLA 120(e)(4): FFA shall include a review of alternatives and

- documents and resolving disputes; a limited minimum to include in FFAs. define the process of setting a schedule, review/approval of remedial 1988/89 - EPA, DoD and DOE developed model language for FFAs to
- 1996 EPA, DoD, DOE and other federal agencies agreed in the FFERDC cleanup progress report that the milestoning and budget/funding process was hindering
- 1999 EPA and DoD agreed on model language to update the setting of milestones consistent with FFERDC
- 2009 EPA and DoD agreed to use the Ft. Eustis FFA as model for the 12 remaining DoD facilities without FFAs



comment on "Secondary Documents." Process of review & approval of "Primary Documents" (RI/FS Proposed Plan, ROD (including Amendment and ESD)/review &

Administrator If unable to reach agreement, FFAs provide for dispute resolution process, with dispute ultimately resolved by the

remedy selection disputable/resolved by Administrator Primary Documents, resulting in any substance relevant to Secondary Documents are typically feeder documents to Only Primary Documents are subject to dispute resolution.



Stipulated Penalties

If the Federals

- Fail to submit a Primary Document pursuant to the timetable/deadline in accordance with the FFA; or
- Fail to comply with a term or condition of the FFA relating to an operable unit or remedial action

amount not to exceed \$5,000 for the first week/\$10,000 for each EPA (and/or the State) may assess a stipulated penalty in an additional week for which a failure occurs

to dispute resolution Whether the failure occurred (not the penalty amount) is subject



EPA Oversight of Federal Cleanups under CERCLA -Selected Disputes

Naval Air Station Brunswick – 2008 – Stephen Johnson

penalty amount only whether the failure, in fact, occurred and cannot dispute a Regarding penalties, confirmed that the federals can dispute

- The Navy argued that the FFA provides, generally, that all dispute the amount of the penalty. issues are subject to dispute resolution, and could, therefore
- More general FFA language cannot overtake specific provisions control general provisions . . . ") ("fundamental axiom of contract interpretation that specific



EPA Oversight of Federal Cleanups under CERCLA – Selected Disputes

Longhorn Army Ammunition Plant – 2014 – Gina McCarthy

to assess stipulated penalties Restoration of groundwater, land-use controls, EPA's authority

- Groundwater Where the state has designated the groundwater as a potential source of drinking water, the beneficial use remedial action should restore the groundwater to its
- LUCs The ROD should include a LUC-objective to protect the integrity of the groundwater monitoring system
- Stipulated Penalties The FFA anticipates that penalties may inconsistent with CERCLA and the NCP (\$1,185,000 penalty) be assessed where the Federals provide documents that are



EPA Oversight of Federal Cleanups under CERCLA Selected Disputes

Marshall Space Flight Center – 2012 – Lisa Jackson

specificity and detail: Federal and State ARARs are to be identified with sufficient

- pay for cleanup through the process, and informed buy-0in by the PRPs are Ensures an adequate level of transparency in remedy selection, knowledgeable opportunities for public participation
- a response are fully aware & supportive of the particular steps Ensures that affected communities and liable parties funding to be taken in the remedial action
- Avoids confusion about procedural v substantive provisions



EPA Oversight of Federal Cleanups under CERCLA – Selected Disputes

FNAD Hastings – 2010 – Lisa Jackson

- Formerly Used Defense Site currently owned by Army National Guard, USDA, and private entities
- ACOE (designated by DoD DERP program to be cleanup lead responsibilities re LUCs (restriction on installing drinking water wells) – limits on its authority to impose LUCs for DoD) disputed ROD language setting forth the Army's
- The Army should act to the full extent of its authority to select protective remedial actions.
- The ROD "has to" clearly describe the Army's LUC responsibilities to implement and enforce the LUCs



For more information:

https://www.epa.gov/enforcement/enforcement-federal-facilities

Facilities published in 1998-99) Environmental Enforcement and Compliance at Federal federal-facilities (updates "The Yellow Book: Guide to https://www.epa.gov/enforcement/enforcement-and-compliance-

https://www.fedcenter.gov/

Contact: Martha Brock, 404-562-9546

David Buxbaum, 404-562-9549

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April 30, 2018 -May 6, 2018

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Monday, April 30

Trey's Itinerary (Ft Lauderdale, West Palm Beach and Live Oak

- 9:00am 9:30am hold
- 10:30am 11:00am Copy: Discussion: Radarcan (RA's Conference
- 🖿 10:30am 11:00am Discussion: Radarcan Call in # (404) 562-9999
- 12:00pm 12:30pm Mid-Year PARS: Beverly Banister (RA's Small
- 12:30pm 1:00pm Mid-Year PARS: Mary Walker (RA's Small
 - 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs
- 1:00pm 2:00pm APTMD Staff Meeting (12B: Call in number
- 1:00pm 2:00pm Grenada/Rockwell Removal Meeting (RA's
- 2:00pm 3:00pm Copy: Senior Staff Meeting (Alm Room)
- 3:00pm 3:30pm Discussion: Planning Efforts for the Coordination
- 3:00pm 3:30pm MID-Year PARS: Scott Gordon (RA's Small
- 3:30pm 4:00pm Mid-Year PARS: Franklin Hill (RA's Small
- 4:00pm 4:45pm Sand and gravel mining 404 enforcement cases

Tuesday, May 1

- 10:30am 11:00am Mid-year PARs Review with Michael Burns (Blake's office) Ashbee, Blake
- 11:00am 11:30am Call Dayne
- 11:30am 1:00pm Lunch
- 1:00pm 2:45pm Petroleum Products Corps (Pembroke Park, Florida) Glenn, Trey

Wednesday, May 2

1:00pm National PAD/RCL/Comms Directors Meeting - Call-in → number added (EPA HQ; 2530 WJC North) - Thundiyil, Karen

- 7:15am 11:00am Everglades Tour (Palm Beach International (Signature Flight Support, 1500 Perimeter Road, West Palm Beach, FL 33406)) - Glenn, Trey
- 8:30am 4:00pm R4 FOIA Training DAY ONE (Atlanta and Augusta Rooms on the 3rd Floor / Via Skype meeting link and 202-991-0477, code: (b)(6) Pratt, Marirose
- 10:30am 11:00am Mid Year Review with Brenda (Blakes office) Ashbee, Blake
- 11:00am 12:30pm Loxahatchee National Wildlife Refuge Tour (Boynton Beach, Florida) Glenn, Trey

Thursday, May 3

- 3:00pm National PAD/RCL/Comms Directors Meeting Call-in number added (EPA HQ; 2530 WJC North) - Thundiyil, Karen
- 8:30am 1:00pm R4 FOIA Training DAY TWO (3 hours of general GA CLE) (Augusta Room on the 3rd Floor / Via Skype meeting link and 202-991-0477, code: (b) (6) Pratt, Marirose
- 11:00am 12:10pm Flight# WN1873 from ATL -> JAX (1 hour and 10 mins.)

Friday, May 4

8:30am - 9:38am Flight# DL997 from JAX -> ATL (1 hour and 8 mins.)

12:00pm - 12:10pm LGAC Call: Brian Fulton (228-769-3088) - Glenn, Trey

- 12:10pm 12:20pm LGAC Call: Commissioner Kitty Barnes (828-478-2240) Glenn, Trey
- 12:20pm 12:30pm LGAC Call: Jai Templeton (615-630-3473) Glenn, Trey
- 12:30pm 12:40pm LGAC Call: Commissioner Carvel Lewis (229-334-0903) Glenn, Trey

Saturday, May 5

Sunday, May 6

May 7, 2018 -May 13, 2018

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Monday, May 7

** 10:00am - 10:30am Policy & Procedures (RA's Private Conference Room) - Glenn, Trey

12:30pm - 1:00pm OPA/OCIR/OPEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)

1:00pm - 2:00pm APTMD Staff Meeting (12B: Call in number 404-562-9990. Access Code (b)(6)

1:15pm - 1:45pm MFG Chemical - consent decree (RA's Conference Room Call in # (404) 562-9997 Code (b) - Glenn, Trey

繼 1:45pm - 2:00pm Discussion: Emerging Issue in Mississippi (RA's Conference Room) - Glenn, Trey

繼 2:00pm - 3:00pm Copy: Senior Staff Meeting (Alm Room) Adm14Pruitt, Scott

纖 3:00pm - 4:30pm Debrief: From 4/30 Grenada Meeting (RA's

臟 3:30pm - 5:00pm Hold

職6:17pm - 7:23pm FYI ~ Trey's Flight Info: Delta Flight 3312 (Atlanta

Tuesday, May 8

FYI ~ Trey's Tallahassee Itinerary

- 9:00am 4:00pm Meeting with EPA (FDEP- Douglas Building-3900 Commonwealth Blvd Tallahassee, Florida 32399 - Secretary's Conference Room 1037) - Truitt, John
- **10:30am 11:00am General with Jennifer** (Blake's Office) Ashbee,
- 2:00pm 2:30pm Legal Review of Deviations from Agency Policy Statements and Guidance-Call-in Number is 404-562-9997 code (b)(6) (RA's Conference Room) Ashbee, Blake

2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC - North New call in #: 202-991-0477 Conference Code: (b)(6) - Grantham, Nancy

3:22pm - 6:44pm FYI ~ Trey's Flight Info: Delta Flights 1639 and 131 (Tallahassee to Atlanta to Greenville)

Wednesday, May 9

都7:30am - 8:30am FYI ~ Trey's Meeting with Dr. Dave Hargett - Founder /Executive Director of the Conestee Foundation (Greenville, South Carolina)

9:00am - 10:00am FY! ~ Trey's Meeting with Harold Mitchell (Greenville, South Carolina)

9:30am - 10:30am Executive Session w/Executive Leadership Team

** 12:00pm - 12:30pm FYI ~ Trey's Meeting with Mayors (211 North Broad Street (City Hall Bailey Confernce Room), Clinton South Carolina) - Glenn, Trey

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

■ 1:30pm - 3:00pm FYI ~ Trey's Brownfields Grant Recipient Award Recognition Ceremony (Clinton, South Carolina) - Glenn, Trey

🗮 4:51pm - 5:53pm FYI ~ Trey's Flight Information: Delta Flight 1341

Thursday, May 10

9:00am - 10:00am 35th Avenue Subpoena for Records (Conference Room 13B or Call-in Info Provided Below) - Nagrani, Kavita

11:15am - 12:15pm Enforcement Discussion (RA's Private Conference Room) - Glenn, Trey

1:00pm - 1:30pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy:

1:30pm - 2:00pm Logistics meeting with GMPO (RA's Conference Room) - Ashbee, Blake

2:30pm - 3:00pm Public affairs quality SOP progress check-in (TBD) - Marraccini, Davina

3:00pm - 4:00pm 2nd IPPC Conference Call

(DCRoomRRB31203/Ronald-Reagan-Building) - Cherry, Katrina 3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) -

Richardson, RobinH

Friday, May 11

Hold-Telework

Wanda Leave - Hudson, Wanda

8:00am - Reininder People Plus Approval Day

9:00am - 10:00am Discussion: General Issues (RA's Conference Room (404) 562-9997 Code (b)(6) - Glenn, Trey

9:00am - Peoplepius approval day

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)

Grantham, Nancy

Saturday, May 12

Sunday, May 13

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EPA Region 4/Florida Department of Environmental Protection

Tuesday, May 8, 2018

AGENDA

9:00 am General Communications

- Ensuring Effective communications between agency leadership
- Specific Compliance Assurance activities likely for FY18

10:00 am State Topics

- State Environmental Compliance Problems
- State needs from EPA
- Compliance Assurance Priorities of the State
- Effectively using combined resources to address needs
- Resource Issues (Budget, Work Sharing, Staffing, Technology, etc)

11:00 am EPA Topics

- NEI Update & Status
- CMS
- Does the State have an Alternate CMS?
 Best Practices
- Planned Audits
 - o SRF Round 4
- Audit results
 - SRF Round 3 Recommendations
- Training
 - o Opportunities
 - Needs
- Data
- Annual Data Metrics Analysis Review
- Citizen Suits
- Tips & Complaints

12:00 - 1:00 pm LUNCH

1:00 – 1:30 pm Performance Partnership Agreement/Performance Partnership Grant Overview

1:30 – 3:30 pm Program Specific Discussions (Group Discussion followed by Break Out as needed)

EPA Participants: Trey Glenn, Mary Walker, Beverly Banister, Jeaneanne Gettle, Carol Monell, and Scott Gordon

FL DEP EPD Participants: Mike Halpin, John Truitt, Secretary Noah Valenstein (Tentative)

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EPA Region 4 Shared Service Center (SSC) Site Visit/Training May 9 - 10, 2018

Start	End	Agenda Topics			
		Wednesday, May 9, 2018			
8:30	9:00	Arrival and Welcome Reception OPM Senior Leaders, OHCM, Shared Service Center ~ 9th Floor Tandberg Conference	ce Room		
9:00	9:25	OPM & Shared Service Center Leadership Discussion Kenneth Lapierre, Vickie Tellis and Shared Service Center Leaders 14th Floor ARA Conference Room	Kenneth Lapierre, Vickie Tellis and Shared Service Center Leaders		
9:30	10:30	Executive Session with Executive Leadership Team 14th Floor RA's Conference Room			
10:30	.30:45 <u>.</u>	Frenk 19 19 19 19 19 19 19 19 19 19 19 19 19			
10:45	12:00	Reporting Facilitated by Carly Sinani AOs, HR ~ 9th Floor Training Room 9E Managers/SMEs/AOs ~ 9th Floor Training Facilitated by Latera Marks and Anne McW	/hinney		
12:00	4:30	Carried to the Control of the Contro	yer years		
1:00	2:15	Metrics Facilitated by Carly Sinani Managers/SMEs/AOs ~ 9 th Floor Training Room 9E			
2:15	12.30	Break	landi kuli di Aliandi		
2:30	4:00	Tips & Tricks – Classification Documents, EZ Hire, Question Library Facilitated by Latera Marks and Anne McWhinney Managers/SMEs/AOs ~ 9 th Floor Training Room 9D			

EPA Region 4 Shared Service Center (SSC) Site Visit/Training May 9 - 10, 2018

Start	End	
		Thursday, May 10, 2018
9:00	9:30	Open Forum for AOs 9th Floor Tandberg Conference ~ (Anne McWhinney & Latera Marks)
9:30	10:00	SESD One-On-One Session Facilitated by Deputy Director Managers/SMEs/AOs ~ 9th Floor Tandberg Conference Room via VTC
10:00	10:30	SFD One-On-One Session Facilitated by Deputy Director Managers/SMEs/AOs ~ 9th Floor Training Room 9E
10:30	11:00	GMP One-On-One Session Facilitated by Deputy Director Managers/SMEs/AOs ~ 9th Floor Training Room 9E
11:00	11:15	Break it in a contact the contact that the contact the
11:15	11:45	ORA One-On-One Session Facilitated by Chief of Staff & DARA Managers/SMEs/AOs ~ 9th Floor Training Room 9E
11:45	12:15	APTMD One-On-One Session Facilitated by Deputy Director Managers/SMEs/AOs ~ 9th Floor Training Room 9E
12:15	1:30	Lunch
1:30	2:00	WPD One-On-One Session Facilitated by Deputy Director Managers/SMEs/AOs ~ 9th Floor Training Room 9E
2:00	2:30	RCRD One-On-One Session Facilitated by Deputy Director Managers/SMEs/AOs ~ 9th Floor Training Room 9E
2:30	3:00	ORC One-On-One Session Facilitated by Deputy Director Managers/SMEs/AOs ~ 9th Floor Training Room 9E
3:00	3:30	Break
3:30	4:00	OPM One-On-One Session Facilitated by Deputy Director Managers/SMEs/AOs - 14th Floor ARA Conference Room
4:00	4:30	Wrap-Up Kenneth Lapierre, Vickie Tellis ~ 14 th Floor ARA Conference Room

SSC Participants:

Arron Helm, Office Director, OARM-RTP BJ Collins, Deputy Office Director, OARM-RTP Ryan Atkinson, Deputy Director, HRMD Rena Sawyer, Section Chief Latera Marks, HR Specialist Anne McWhinney, HR Specialist Carly Sinani, HR Specialist

R4 POC:

Kenneth Lapierre, ARA (404-562-8570) Vickie Tellis, DARA, Acting HRO (404-562-8218) Rhonda Bailey, Senior Advisor (404-562-9442) Delphine D. Williams, HR Specialist (404-562-8148) Adrienne Kirkland, HR Specialist (404-562-8124) Susan Park, Special Assistant (404-562-9604)

IPPC Agenda May 10, 2018

3:00 - 4:00 p.m. (Eastern Time)

Ronald Reagan Building, OITA International Room (3rd Fl) - 31107

Phone participants: Call in 202-991-0477, code (b)(6)

3:00 - 3:05	Welcome, roll call, and review agenda (IPPC Co-Chairs)
3:05 – 3:30	NTC Report Out and Common Issues Paper Discussion (OITA)
	 Consultation TAS GAP Next Steps: Common Issues Paper Response Process
3:30 - 3:45	DI Data Workgroup Progress (OITA, OEI)
3:45 - 3:55	US v Washington SCOTUS Update (OGC)
3:55 – 4:00	Next steps and close meeting (IPPC Co-Chairs)
	Next meeting June 14, 2018

• Suggested Agenda Items Discussion

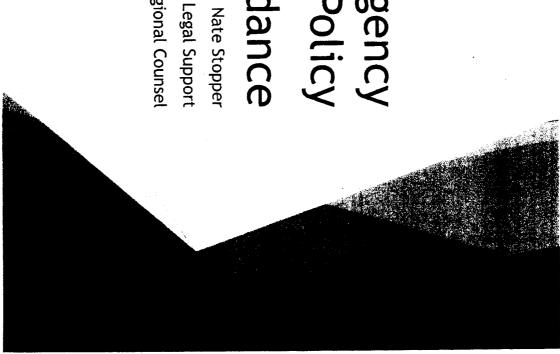
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Judicial Review of Agency Deviation from Policy

Statements and Guidance

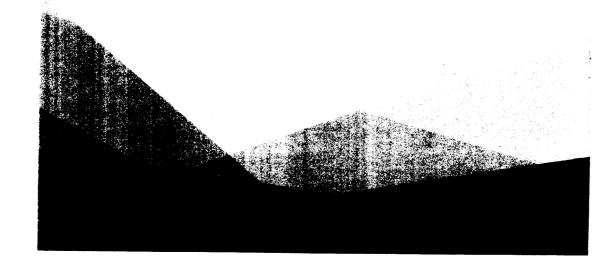
Office of Water Legal Support

EPA Region IV, Office of Regional Counsel



Overview

- Issues researched
- Admin law background principles
- Important SCOTUS case: Fox v. FCC
- Cases where deviation was upheld
- Cases where deviation was arbitrary and capricious



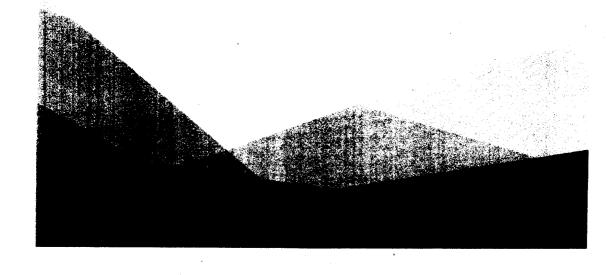
Issues Researched

- What is the legal standard for reviewing an agency's deviation from a policy statement or guidance?
- What does an agency need to do to satisfy this standard?
- When is such agency action arbitrary and capricious?



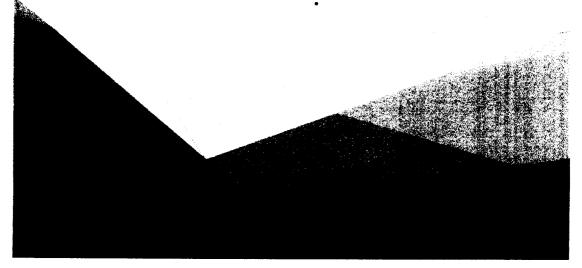
Admin Law Background Principles

- Administrative Procedure Act: a court shall "hold unlawful and set aside agency action, findings, and conclusions found to be not in accordance with law." 5 U.S.C. 706(2)(A). ... arbitrary, capricious, an abuse of discretion, or otherwise
- Nonfinal agency action is NOT reviewable.
- Rules of agency organization, procedure or practice . . . are not enforceable against [an] agency in federal court.



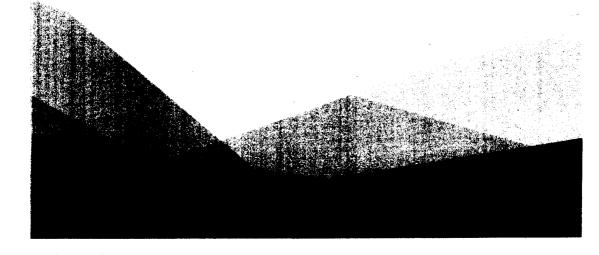
Policy Statements and Guidance Application to Deviations from

- An agency's policy statements and guidelines are usually not agency action deviating from them. Ctr. for Auto Safety & Pub. final action and therefore are not reviewable, nor is non-final Citizen, Inc. v. NHTSA., (D.C. Cir. 2006)
- arbitrary or capricious." Lake Mohave Boat Owners Ass'n v. "An agency's deviation from its own guidelines is not per se National Park Serv., (9th Cir. 1998).
- However, arbitrary and capricious review applies to all FINAL agency action, including deviating from policy and guidance.



Arbitrary and Capricious Review

- the relevant data and articulate a satisfactory explanation for "Narrow" standard of review and the agency must "examine its action." Motor Vehicle Mfrs. v. State Farm, (S.Ct. 1983).
- deliberately changed, not casually ignored." Greater Boston indicating that prior policies and standards are being Television Corp. v. FCC, (D.C. Cir. 1970). "An agency changing its course must supply a reasoned analysis
- An agency must "explain a deviation even from a policy statement." Southwestern Bell v. FCC, (D.C. Cir. 1994).



FCC v. Fox Television Station, Inc., (S. Ct. 2009): Requirements for New Policy/Guidance

APA doesn't subject change in policy to more searching review than initial action.

HOWEVER: a "reasoned explanation" requires agency to "display awareness that it is changing position. An agency may not . . . depart from a prior policy *sub silentio* or simply disregard rules that are still on the books."

Agency must show:

- That statute allows the new policy;
- That there are good reasons for it; and
- <u>IF</u> the new policy rests upon factual findings that contradict those which underlay its prior policy; <u>OR IF</u> there are serious reliance interests at issue:

THEN a more detailed justification is required: "a reasoned explanation is needed for disregarding facts and circumstances that underlay or were engendered by the prior policy."



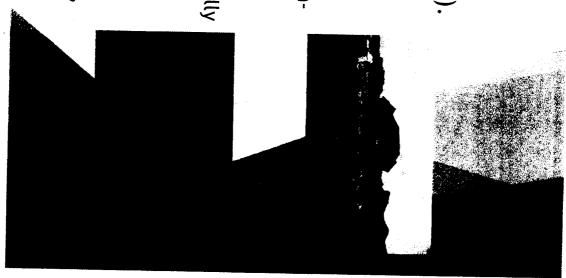
FCC v. Fox Television Station, Inc., (S. Ct. 2009): Court Upholds FCC's Findings

- disavowed prior inconsistent rulings as "no longer good law." FCC acknowledged that its actions broke new ground and explicitly
- 0 FCC's reasons for expanding enforcement policy were rational:
- Different treatment of literal and nonliteral uses of offensive words made no sense
- FCC's decision to look at offensiveness of isolated uses of profanity fits with context-based approach SCOTUS previously endorsed.
- Rational "to believe that a safe harbor for single words would "likely lead to more widespread use of the offensive language."



Precon Dev. Corp. v. Army Corp of Eng'rs, (4th Cir. 2011). Closer to home:

- Residential developer challenged Corps' JD and 404 permit denial.
- adjacent wetlands surrounding two man-made ditches? Issue: whether Corps followed Rapanos guidance in aggregating non-
- from its guidance, it provided reasoned grounds for doing so." adhered to its nonbinding guidance . . . Even if the Corps deviated "We do not need to determine whether or not the Corps methodically
- Corps explained in the administrative record that "the two ditches were part of the same naturally defined wetland drainage feature."



EPA cases:

Native Village of Point Hope v. EPA, (D. Alaska, 2012).

Court upholds WQC based on a weight of the evidence standard

Guidance suggested using mathematical average of test results.

average. EPA acknowledged that its guidance recommended using the

But, it explain[ed] why it chose not to - one outlying test result would have significantly changed the standard.

EPA cases:

W. Va. Rivers Coalition v. EPA, (E.D. Pa. 2005).

Environmental group challenges EPA approval of WV WQSs.

Guidance suggested more stringent WQS for selenium.

"The EPA may deviate from its own policy and guidance documents, evidence and its determination." especially when it shows a rational connection between the scientific

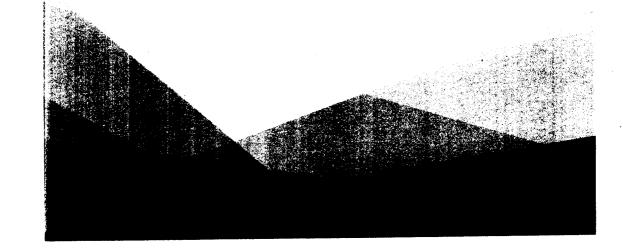
result in an unacceptable risk to aquatic life." Deviation rational because admin record showed that EPA reviewed a relevant scientific study and concluded that the WQS "would not

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Arbitrary and Capricious Deviations Examples of

- Agency promulgates rule that fails to acknowledge departure from prior guidance. Dialysis Patient Citizens v. Burwell, (E.D. Tex. 2017).
- Agency claims to follow internal guidance but violated its "express directive." Price v. United States Dep't of Educ., (S.D. Tex. 2016).
- Agency fails to provide a "more detailed justification" for changed Encino Motorcars, LLC v. Navarro, (S. Ct. 2016). position when prior policy engendered "serious reliance" interests.
- Agency gives a "one-sentence" explanation for departure from guidance. Inland v. Duke, (C.D. Cal. 2017).



must:

Practice Tips

Follow policy statements and guidance!

If EPA chooses to deviate, then the administrative record must:

Acknowledge deviation

Provide rational reason for deviating

If drafting new guidance resting upon factual findings that contradict facts underlying old policy, or serious reliance interests are at issue:

THEN a more detailed justification is required.

May 14, 2018 -May 20, 2018

May 2018	June 2018
SuMo TuWe Th Fr Sa	SuMo TuWe Th Fr Sa
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

	20 21 22 23 24 25 26		
Monday, May 14	Tuesday, May 15		
8:00am - Belinda Leave - Johnson, Belinda	Trey's Chattanooga Itinerary - Hudson, Wanda		
12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy © 1:00pm - 1:30pm Ag Panel Prep (Blake's Office) - Jones-Johnson, Shea 2:00pm - 3:00pm Copy: Senior Staff Meeting (Alm Room) - Adm14Pruitt, Scott © 3:30pm - 4:00pm Biweekly Meeting with Director: Franklin Hill (RA's Small Conference) - Glenn, Trey ©	8:30am - 10:30am May's Regional Monthly Review (RA's Conference Room) - Glenn, Trey 11:00am - 12:00pm All-Hands Meeting on Tuesday, May 15th. (Conference Rooms 9D&E) - Maddox, Sherry 2:00pm - 3:30pm FY2019 Performance Partnership Agreement (PPA) Priority Alignment Meeting with Kentucky DEP (RA's Conference Room Call in Number (202) 991-0477 Code (b)(6) Glenn, Trey 2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 W)C - North New call in #: 202-991-0477 Conference Code: (b)(6) G-Grantham, Nancy ⊕ 6:45pm - 7:00pm FYI ~ Trey: Hotel Information: Chattanooga Marriott Downtown (Two Carter Plaza Chattanooga Tennessee 37402 (423) 756-0002) - Glenn, Trey		
Wednesday, May 16	Thursday, May 17		
9:35am - 10:20am Keynote Speaker Environmental Show of the South (Chattanooga Convention Center 1150 Carter Street Chattanooga, TN 27402) - Glenn, Trey 9:45am - 10:15am AG Coordinator Interview (RA Conference Room) - Ashbee, Blake 10:30am - 11:00am AG Coordinator Interview (RA Conference Room) - Ashbee, Blake 12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b) (6)	10:00am - 10:30am Southside Chattanooga Lead Letter (RA's Conference Room or 404-562-9997;(b)(6)) - Jenkins, Brandi 10:30am - 11:00am CTS tour discussion (Ra conf room) - Ashbee,		
Friday, May 18 9:30am - 10:00am Staff briefing re: BF Goodrich (RA Conference Room Call in (404) 562-9997 code (b)(6) Glenn, Trey 10:30am - 11:00am 404 Assumption (Via Telephone (404) 562-9997	Saturday, May 19		

- **10:30am 11:00am 404 Assumption** (Via Telephone (404) 562-9997 Code: (b)(6) Glenn, Trey
- 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs
 (New Conference Line # 202-991-0477 Conference ID: (b)(6)
 Grantham, Nancy O

Sunday, May 20

Agenda

May 17, 2018

Tallassee II

16R-17-R4

Three objectives to accomplish by the end of this briefing:

- I. ECRCO's commitment to effectively and efficiently manage the investigation and meet the timeframes suggested Dale Rhines
- II. Gain an understanding regarding:
 - Acceptance of the complaint Kurt Temple
 - Associated issues Jonathan Stein
 - Investigation approach Debra McGhee
- III. Provide Regional Administrator Trey Glenn with an overview of the investigation/resolution approach **Discussion**

U.S. EPA/OGC – Internal-Deliberative – Do Not Distribute or Release 4/30/18 – withheld Executive Summary: EPA File NO. 16R-17-R4 (ADEM – Stone's Throw Landfill)

Draft/Deliberative – 11-2-2017 - withheld

ECRCO/CRFLO

Title VI Investigation into Tallassee Landfill Permit Renewal

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director been briefed on this subject, and is he/she aware of your request to set up this meeting? Yes X_ No (Mary Walker briefed, will brief new DD before mtg)				
NOTE: A briefing sheet need	s to accompany t	his meeting req	uest	
Date of Request: 4/26/2018				
Requestor: Stacey Bouma Phone No.: 404-562-9392				
Name of Meeting: Gastonia	NC Construction	Grant Appeal	Determi	nation
Purpose of Meeting: Decision	by RA to deny o	r approve appe	al	
Is the Meeting Date Sensitive	? Yes X□ No	Deadline Date	: June 2	2
Meeting Date/Time Preference		Date: May 14-1	18 T	Time: Anytime
Meeting Date/Time Preference	#2	Date: June 11-	15 T	Γime: Anytime
Meeting Date/Time Preference	: #3	Date: May 7-1		Γime: Anytime
NOTE: All requested dates s	hould be at least	one week out. T	his requ	uest will be discussed
on Friday.				
Duration of Meeting: Unless otherwise indicated meetings will be scheduled for 45 minutes: 30 mins to present/15 mins Q&A Do you need a conference number: YesNO_X				
No. of Participants: (It is very important that the RA's office is aware of how many and whomno surprises; i.e., we were told 2 staff members and 10 show up)	Names of Requir Stacey Bouma Robin Allen Thomas Cooney Brian Smith Becky Allenbach Mary Walker Jeaneanne Gettle		Option	al Invitees:

Requested Meeting Location: RA's conference room or 15C

***Please email final slides, background documents etc., to Wanda Hudson and Brandi
Jenkins 2-days prior to the scheduled meeting; failure to receive finalized documentation may cause your meeting to be rescheduled. Your Power-point presentation (if any) will be loaded and ready for showing at the scheduled meeting. All slides and background information will be printed for the RA, DRA, their Special Assistants and the COS by the front. For any critical issues that need to be elevated, please email Brandi Jenkins and Blake Ashbee.

U.S. EPA/OGC – Internal-Deliberative – Do Not Distribute or Release 4/30/2018 – withheld Potential Pathways to Resolution and Estimated Timeframes for Completion

Official Meeting/Briefing Request for the RA or DRA

NOTE: A briefing sheet n	eeds to accompany	this meeting reque	st
Date of Request: 4/26/201	8		
Requestor: Stacey Bouma Phone No.: 404-562-9392	1		•.
Name of Meeting: Gaston	ia NC Construction	Grant Appeal Det	termination
Purpose of Meeting: Decis			
Is the Meeting Date Sensit		Deadline Date: Ju	ine 22
Meeting Date/Time Preferen	nce #1	Date: May 14-18	Time: Anytime
Meeting Date/Time Preferen	nce #2	Date: June 11-15	Time: Anytime
Meeting Date/Time Preferent NOTE: All requested date	nce #3	Date: May 7-11	Time: Anytime
Duration of Meeting: Unleaded mins to present/15 mins of Do you need a conference meeting. In October 19 by an EPA R4 Grants Disput disallowed costs amounting on this appeal. A decision is remains in the R4 Construction obligation. The City Manage Expectations from Meeting If you are looking for a decision is the remains in the R4 Construction of the City Manage III of You are looking for a decision of the R4 Construction of the City Manage III of You are looking for a decision of the R4 Construction of the City Manage III of You are looking for a decision of the R4 Construction of the City Manage III of You are looking for a decision of the R4 Construction of the City Manage III of You are looking for a decision of the City Manage III of You are looking for a decision of the City Manage III of You are looking for a decision of the City Manage II of You are looking for a decision of the City Manage II of You are looking for a decision of the City Manage II of You are looking for a decision of the City Manage II of You are looking for a decision of the City Manage II of You are looking for a decision of the City Manage II of You are looking for a decision of the City Manage II of You are looking for a decision of the City Manage II of You are looking for a decision of the City Manage II of You are looking for a decision of the City Manage II of You are looking for the City Manage II of You are looking for the City Manage II of You are looking for a decision of the City Manage II of You are looking for the City Manage II of You are looking for the City Manage II of You are looking for the City Manage II of You are looking for the City Manage II of You are looking for the City Manage II of You are looking for the City Manage II of You are looking for the City Manage II of You are looking for the City Manage II of You are looking for the	Q&A umber: YesN 297, the City of Gast te Decision Official to a federal share ov required to resolve t on Grant account an er was contacted on A	onia. North Carolina (DDO) in September erpayment of \$38,99 he appeal and deobled is reflected as a local April 25 to apprise here.	a. appealed a decision issued r 1997. The DDO 05. The EPA has not ruled igate \$38,995, which ing term unliquidated im of the situation.
No. of Participants: (It is very important that the RA's office is aware of how many and whomno surprises; .e., we were told 2 staff nembers and 10 show up)	Names of Require Stacey Bouma Robin Allen Thomas Cooney Brian Smith Becky Allenbach	d Invitees: Opt	ional Invitees:

***Please email final slides, background documents etc., to Wanda Hudson and Brandi Jenkins 2-days prior to the scheduled meeting; failure to receive finalized documentation may cause your meeting to be rescheduled. Your Power-point presentation (if any) will be loaded and ready for showing at the scheduled meeting. All slides and background information will be printed for the RA. DRA, their Special Assistants and the COS by the front. For any critical issues that need to be elevated, please email Brandi Jenkins and Blake Ashbee.



47th Annual ENVIRONMENTAL SHOW OF THE SOUTH May 16-18, 2018

CHATTANCOGA

Chattanooga Convention Center
1150 Carter Street
Chattanooga, TN 37402

Sponsored by

TN Department of Environment & Conservation

Environmental Law Session endorsed by

Welcome to the Environmental Show of the South



Welcome to the largest and most comprehensive environmental conference and tradeshow in the region: the Environmental Show of the South! We're glad you could join us back in Chattanooga! You're in good company, and we've got lots to keep you busy. Download our mobile app to help keep track of all the presentation options and which ones you might like to check out. Scan the QR code at Registration for easy access on Google Play or the App Store.

At a Glance

Plenary Sessions

Attendees and booth workers alike attend the Opening Session in the Banquet Rooms on Wednesday morning to officially kick off the event. Outside of plenary events like this, the Exhibit Hall will be the main gathering point, hosting breakfast, breaks, and the Welcome Reception Wednesday evening. A special off-site reception will be held Thursday Night at the Tennessee Aquarium.

Breakout Sessions

Attendees may consult the At-A-Glance session schedules on pages 16-19 to decide from seven or eight options during each of the three rounds of breakout sessions Wednesday afternoon and throughout the day Thursday. All breaks are synchronized, so you'll always be able to meet back up with your colleagues to compare notes! Download our app to learn more about each presenter.

Exhibit Hall

With over 160 exhibitors—check out their listings at the back of this program—the Exhibit Hall will host all technical session breaks, a Welcome Reception Wednesday evening, and the Ice Cream Social on Thursday afternoon. Thanks to our generous sponsors, you can enter to win several great prizes, including a 65" 4k HDTV!

Sponsors

A special thanks to our sponsors:



Schedule of Events

Wednesday, May 16, 2018			
7:30 AM	Registration opens; Breakfast in the Exhibit Hall		
9:00 AM	Opening session begins		
11:30 AM	Lunch is served in Banquet Rooms		
1:00 PM	First round of breakout sessions begin		
2:30 PM	Networking break in the Exhibit Hall		
4:30 PM	Breakout sessions close		
5:00 PM	Welcome Reception held in the Exhibit Hall		
Thursday, May 17, 2018			
7:30 AM	Breakfast available in the Exhibit Hall		
8:00 AM	Second round of breakout sessions begin		
9:30 AM	Networking break in the Exhibit Hall		
10:00 AM	Breakout sessions resume		
11:30 AM	Lunch is served in Banquet Rooms		
11:45 AM	Lunchtime Plenary session begins		
1:00 PM	Third round of breakout sessions begin		
2:30 PM	Ice Cream Social held in the Exhibit Hall		
4:45 PM	Breakout sessions conclude		
7:00 PM	Networking Reception at the Tennessee Aquarium		
	Friday, May 18, 2018		

About TDEC

7:30 a.m. Breakfast available; Feedback forms due

11:00 a.m. Environmental Show of the South concludes

8:15 a.m. Closing session begins

The Tennessee Department of Environment and Conservation (TDEC) exists to enhance the quality of life for citizens of Tennessee and to be stewards of our natural environment. TDEC is the chief environmental and natural resource regulatory agency in Tennessee and arranges the Environmental Show of the South each year to provide high-quality, low-cost environmental training as well as updates on government/industry developments and trends.

Technical sessions are planned and moderated by TDEC staff, and six TDEC divisions will be presenting updates on recent program developments during the Closing Session. Additionally, technical staff will be on hand at the TDEC Regulatory booth to answer your

questions one on one. Be sure to visit them and pick up your complimentary conference tote bag!



9:00 AM-9:15 AM

Opening Remarks

Patrick J. Flood, PE, Director, TDEC - Division of Solid Waste Management

9:15 AM-9:35 AM

Welcome to the 47th Annual Environmental Show of the South

Shari Meghreblian, PhD, Commissioner, TN Department of Environment & Conservation

9:35 AM-10:20 AM

Keynote Address: EPA Updates

Trey Glenn, Regional Administrator, U.S. Environmental Protection Agency

10:20 AM-10:50 AM

Securing the Next Generation of Environmental Leaders

Dania Rodriguez, Executive Director, ASTSWMO

10:50 AM-11:00 AM

Recycler of the Year Awards Lincoln Young, Tennessee Recycling Coalition

11:00 AM-11:15 AM



Special Presentation of the Governor's Environmental Stewardship Award, Materials Management Category Commissioner Meghreblian

11:15 AM-11:30 AM

Morning Announcements
Patrick J. Flood, PE

11:30 AM-1:00 PM

Lunch Served in Banquet Rooms

Keynote Speaker: Trey Glenn



Trey Glenn leads the EPA's environmental protection efforts in the southeastern states, bringing 23 years of environmental and regulatory experience to this role.

Serving the largest EPA region with 63 million people, he champions protection of our ecosystems and natural resources, encourages partnerships with our states and helps EPA achieve its mission.

Previously, Mr. Glenn served as director of the Alabama Department of Environmental Management (ADEM) from 2005-2009. In this position, he was tasked with ensuring a safe, healthy, and productive environment for all Alabama residents. He also served as division director for the Alabama Office of Water Resources from 2001-2005, where he was responsible for leading day-to-day operations on coordination and management of Alabama's water resources. Most recently, he worked as an independent engineer consultant and business owner focused on environmental issues.

Mr. Glenn is a graduate of Auburn University with a bachelor of science degree in civil engineering . He received his MBA from the University of Alabama at Birmingham. Mr. Glenn is also a professional engineer. He is married with four children and they reside in Birmingham, Alabama.

Shari Meghreblian, PhD



Shari Meghreblian joined the Tennessee Department of Environment & Conservation to oversee the environmental regulatory programs for the protection of Tennessee's air, land and water, and was named Commissioner of the department effective just over two weeks ago.

Recognized for her ability to provide strategic insight and analyze

processes and procedures to streamline business practices, Dr. Meghreblian has been appointed to several boards and councils supporting three different departments of state government.

Shari has more than 20 years of combined experience in private sector manufacturing and environmental management systems. She joined TDEC from General Motors' plant in Spring Hill, TN, where she served as the environmental operations manager since 2005.

She holds a PhD in Environmental Management and a master's degree in Engineering from Vanderbilt University, and a bachelor of science in Marketing/ Economics from Western Kentucky University.

Dania Rodriguez



Dania Rodriguez is the Executive Director of the Association of State and Territorial Solid Waste Management Officials (ASTSWMO) in Washington, DC. She has 24 years of demonstrated national environmental experience with expertise in the field of technical, financial and policy development and a comprehensive knowledge of State and Territorial programs.

For a number of years, she has served as the liaison between the States and numerous Federal Agencies such as EPA and DOD on important policy issues. As the Executive Director she runs the day-to-day operations of ASTSWMO. This includes managing the Association's Budget, Cooperative Agreements, the ASTSWMO Staff, and providing support to the ASTSWMO Board of Directors.

Prior to her career at ASTSWMO, Dania worked for the American Petroleum Institute (API). Dania received a B.A. in Political Science from Hood College in Frederick, Maryland, and an Executive Certificate in Nonprofit Management from the Georgetown University, McCourt School of Public Policy.

Materials Management

Room 9-10

1:00 PM-1:10 PM

Financial Management Panel

Moderator Seth Benge, TDEC, opens the session

1:10 PM-1:35 PM

Profit/Loss Tracking for Small Recyclers

is your recycling program surviving or thriving? A simple spreadsheet can be planswer that coession for you, local officials, and grants.

Doug Giles, Marshall County Solid Waste

1:35 PM-2:00 PM

EPA's Cost-Benefit Analysis Tool

Marty Seaman, RRS

2:00 PM-2:25 PM

Cost Benefiting County Recycling Programs

Introduces a record-keeping tool for County Solid Waste Programs to use in tracking recycling costs,

hevenues, and market changes.

Kim Raia. University of Tennessee CTAS -

2:25 PM-2:30 PM

Panel Conclusion

2:30 PM-3:00 PM

Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service

3:00 PM-3:05 PM

Solid Waste Planning Panel

Moderator Ashby Barnes, TDEC, opens the discussion

3:05 PM-3:30 PM

Davidson County Long-Term Zero Waste Master Plan

This presentation will include the process, findings, recommendations and potential next steps

from the Metro Nashviije Davidson County Zero Waste Master Planning.

Kelly Tipler, Metro Nashville Public Works

3:30 PM-3:55 PM

Using Technology for Waste Diversion & Community Outreach

With a grant from the Recycling Partnership, the City of Atlanta was able to significantly reduce contamination. Learn how technology helped implement this successful pilot.

Michelle Wiseman, City of Atlanta / Mayor's Office of Resilience

3:55 PM-4:20 PM

Louisville's Solid Waste Study Efforts, Future is Now

A description of Louisville Metro's journey completing its first full integrated solid waste

management study.

Pete Flood. Louisville Metro Department of Public Work

4:20 PM-4:30 PM

Session Close

5:00 PM-6:30 PM

Welcome Reception hosted by Republic Services in the Exhibit Hall









Mobile App

Download our mobile app for an interactive view of our program. The app includes extra details like speaker bios and allows you to favorite presentations you might like to attend. Mobile app developed by BDY Environmental with support from Burr & Forman.



1:00 PM-1:10 PM	Moderator Brenda Carr, TDEC, opens the session
1:10 PM-1:35 PM	New TSCA Active/Inactive Chemical Lists: Are Your Chemicals Banned? Descur was a visit Bit of the Form A and Formed an instead or restrict your compared will be a reported and the compared will be the second and the
1:35 PM-2:00 PM	Lead Poisoning: All in the Family Cocupational and poisoning remains a major threat for many American workers. Become the followed employee, however, fact a plicadous for the health of termination is some arrowing content of each resource and each content of essential poisons and post of terminations. Boarde Hinds, university of Termination
2:00 PM-2:30 PM	The Environmental Injustice of Lead Poisoning in Shelby County Shallors allory Health Department's lead minimation efforts; bringing was seed challours/partment together to maximize afforts in high risk communities. Flizaketh Shockley: Shalby County Health Department
2:30 PM-3:00 PM	Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service
3:00 PM-3:25 PM	Generator Must-Knows for Shipping Hazardous Waste
3:25 PM-3:55 PM	Comprehensive Housing Inventions: A New Way Forward for Healthy & Efficient Communities This is the reason will reven the Billier model for coordinating pertners when he immediate model for coordinating pertners when he immediate model continue seeds to reduce environmental hazards in housing Catherine Lee, AICP Green & Regime House Indicative
3:55 PM-4:20 PM	Developing Efficient Systems for Mobile Inspection and Permitting Subject. Every Will bring his experience of developing software systems, and talking with inspection in field positions, to offer encouragement and strategy for Environmental Safety. Robert Elee Jr., Codeoal
4:20 PM-4:30 PM	Session Close
5:00 PM-6:30 PM	Welcome Reception hosted by Republic Services in the Exhibit Hall

Wednesday, M	Air Quality Room 12
1:00 PM-1:10 PM	Moderator Brooke Barrett, TDEC, opens the session
1:10 PM-1:50 PM	Chattanooga's Air Quality Progress Bob Colby: Chattanooga-Hamilton County Air Pollution Coutrol Bureau
1:50 PM-2:30 PM	EPA Considerations on Air Quality Beverly Bannister, EFA Region 4 Am Pesticides, and Toxics Management The 1900
2:30 PM-3:00 PM	Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service
3:00 PM-3:40 PM	Air Quality Health Benefits in Tennessee This presentation provides an overview of respiratory health brownits respiratory from Listen. singularity hepsovereants in Tennessee Michelle Gakes, PhD, TDEC - Division of Air Foliution Control
3:40 PM-4:20 PM	Tennessee and the Volkswagen Diesel Settlement An overview of the VW Settlement, and information on TDEC's articipated by a nation and enumeration of the VW Settlement and information on TDEC's articipated by a nation and enumeration of the Company of the Repetition of the Company of the Repetition of the Reptition of the Repetition of the Reptition of the
4:20 PM-4:30 PM	Session Close
5:00 PM-6:30 PM	Welcome Reception hosted by Republic Services in the Exhibit Hall

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Emerging Contaminants

Room 13

1:00 PM-1:10 PM	Moderator Jennifer McClellan, TDEC, opens the session
1:10 PM-1:50 PM	Emerging Contaminants: Poly- & Perfluoroalkyl Substances (PFAS) As overview of the history of PFAS use, exposure and toxicity, and regulatory response. Kevin Long, Ramboll
1:50 PM-2:30 PM	Keeping Receiving Waters Safe: Removing PFCs An Approximation of treatment technologies and examples for removing PFCs from wastewater, stormwater and drinking water. Jamet Egli, PE, Ramboll
2:30 PM-3:00 PM	Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service
3:00 PM-3:40 PM	North Carolina DEQ Update on PFOS / PFOA / GenX An update on the ongoing investigation of PFAS compounds in the environment and private ministry water wells around the Fayetteville, NC. Chemours facility [tulie S. Woosley NC Department of Environmental Quality
3:40 PM-4:20 PM	Per- and Polyfluoroalkyl Substances (PFAS) in the Environment This presentation will give an overview of PFAS in the environment, where we might expect to find them, and a current summary of work being done under various statutes Aaryn Jones, U.S. EPA Region 4
4:20 PM-4:30 PM	Session Close
5:00 PM-6:30 PM	Welcome Reception hosted by Republic Services in the Exhibit Hall

Wednesday, May 16	Underground Storage Tanks Room 14		
1:00 PM-1:10 PM	Moderator Cindy Storm, TDEC, opens the session		
1:10 PM-1:30 PM	Division of Underground Storage Tanks Regulatory Changes Update Update on the UST regulatory changes that will become effective this Fall to meet ensure that TN is no less stringent than the federal rules. Rhonda Key. TDEC - Division of Underground Storage Tanks		
1:30 PM-2:00 PM	Managing Rebound by Combining Persulfate, Ferrate Generation and Enhanced Bioremediation for Safer, More Effective Remedial Actions Will Moody Provectus Environmental Products		
2:00 PM-2:30 PM	Restoration & Reuse of Abandoned Facilities The Division of Underground Storage Tanks (UST) initiated the Alpandoned Facility Project in 2012 to address perfoleum UST facilities that were deemed abandoned. Geima Skinner, TDSC - Division of Underground Storage Tanks		
2:30 PM-3:00 PM	Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service		
3:00 PM-3:40 PM	Groundwater High-Resolution Site Characterization (HRSC) An overview defining and explaining the need for, and benefits of, Groundwater High-Resolution (Site Characterization (HRSC). Edward J. Gilbert, CPG, U.S. EPA / Office of Superfund Remediation		
3:40 PM-4:20 PM	UST Case Study Using Innovative Technologies [ArM's Advanced Data Analysis (ADA) solves mystery why two challenging sites have not mot remedial goals using existing data and innovative analysis techniques. William Benni Improved Analysis through Modeling (IAtM)		
4:20 PM-4:30 PM	Session Close		
5:00 PM-6:30 PM	Welcome Reception hosted by Republic Services in the Exhibit Hall		

1:00 PM-1:10 PM

Moderator Harry McCann, TDEC, opens the session

1:10 PM-2:00 PM

Landfill Stability Part 2: Visual Indicators and Corrective Measures

Concerned, and when operators receiblibe concerned, and what corrective measures they may need to take.

[88]**rey* J. Sreediove. Promus Engineering, U.C.

Brian Wolf, PE, Civil & Environmental Consultants, Inc.

2:00 PM-2:30 PM

Challenges of Early Closure of Landfills

This discussion involves the operational and design challenges of when a landfill is capped prior to reaching final design grades.

Wm. Christopher Murray PE, PLS, PP, Civil & Environmental Consultants, Inc.

2:30 PM-3:00 PM

Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service

3:00 PM-3:30 PM

Win - Win by Reuse of the Customer's Special Waste

Putting together a Win-Win plan for a customer's disposal needs of their special waste and at the same time heiping to solve an on going issue at our site.

Steve Keylor, Waste Connections - Meadowbranch Landfill

3:30 PM-4:00 PM

Tier 2 Testing for MSW Landfill Emission Guidelines and NSPS

A summary of the Tier 2 testing protocols for determining if a landfill must comply with the Emission Guidelines (EG) and New Source Performance Standards (NSPS)

Matt Lamb. Smith Gardner, Inc.

DSWM Elevates Quality and Consistency with Training

TDEC will present new training and outreach programs almed at elevating our quality and consistency in inspections and materials sampling and analysis.

Patrick Mulligan, PG. TDEC - Division of Solid Waste Management.

4:20 PM-4:30 PM

Session Close

5:00 PM-6:30 PM

Welcome Reception hosted by Republic Services in the Exhibit Hall











1:00 PM-1:10 PM	Moderator Robert G. O'Dette, TDEC, opens the session
1:10 PM-1:50 PM	Impacts of Invasive Aquatic Plants on Lake Ecosystems Learn how invasive aquatic plants are threatening the ecological health and decreational less of Likes coroughout the region. Should they be controlled? If so, how? If not what can we expect? Timothy Joseph, PhD, Watts Bar Ecology and Fishery Council
1:50 PM-2:30 PM	Navigating the New Jersey and Washington State Stormwater Programs as Models for Approving Manufactured Treatment Devices The NJ and WA stormwater programs have significant and subtle processes which can serve as models for local agencies to approve proprietary treatment devices. Mark Miller, AquaShield, Inc.
2:30 PM-3:00 PM	Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service
	Moderator George C. Garden, TDEC, resumes the session
3:15 PM-3:55 PM	Evaluation of Municipal Sewerage Systems in Tennessee The paper provides an overview of the statewide infiltration and inflow (I/I) problem relative to white permit compliance and evaluation metrics used for moratoriums. Robert G. O'Dette. TDEC - Division of Water Resources George C. Garden, PE, BCEE, TDEC - Division of Water Resources
3:55 PM-4:35 PM	Sustainability in Green Landscaping & Tried and True Plant Choices for Bioswales in TN When given landscaping projects fail, we often point fingers at the plants. We'll discuss other fit note that make or break a planting and provide details of plant species that thrive. Janie J. Becker, Stantec Consulting
4:20 PM-4:30 PM	Session Close
5:00 PM-6:30 PM	Welcome Reception hosted by Republic Services in the Exhibit Hall

Wednesday, May 16	Environmental Law	Room 18-19
1:00 PM-1:10 PM	Moderator James C. Wright, Butler, Vines & Babb, opens the session	
1:10 PM-2:30 PM	Ethics Part I Discussion of new ethics opinions, Board Resources for Lawvers, and the importance of Attorney welfness. Laura Chastain, Board of Professional Responsibility	
2:30 PM-3:00 PM	Refreshments in the Exhibit Hall - Sponsored by Jim's Tank Service	
3:00 PM-4:20 PM	Ethics in Litigation and Appeals Sthical considerations and professionalism in appellate practice William C. Koch, Jr., Nashville School of Law	
4:20 PM-4:30 PM	Session Close	
5:00 PM-6:30 PM	Welcome Reception hosted by Republic Services in t	he Exhibit Hall









8:00 AM-8:10 AM Organics Panel

Moderator Robert Wadley, TDEC, opens the session

8:10 AM-8:35 AM Taking On Large Organics Collection Projects

is not the Proof for the Conference of the conference of the Proof of the Proof of the Proposition of the Proof of the Pro

Liza Milagro, Hartsfield-lackson Airport

8:35 AM-9:00 AM Surplus Food Donations - "An Alternative to Throwing Away Food"

Emaler manual species and financial benefits of donating prepared surplus roots. Process,

the a mucebalans, and technology of prepared food donations.

Jim Larson, Joed Donation Connection

9:00 AM-9:25 AM Food Waste Management and Composting on a College Campus

Coverse camerilises can serve as a model for industry best management and itself. Comercus, object to the following test per per in coorganisms, and the self-with leftover took.

Jay Price, MS, MBA, CCOMM, University of Tennessee Palexville

9:25 AM-9:30 AM Panel Conclusion

9:30 AM-10:00 AM Refreshments in the Exhibit Hall - Sponsored by tarpARMOR

8:00 AM-8:10 AM Grants Panel

Moderator Lynn Tutor, TDEC, opens the discussion

10:05 AM-10:30 AM Audit Preparedness for Grant Contracts

Thing audit ready and the documentation used to verify compliance

Lawanda M. Johnson TN Department of Environment & Conservation

10:30 AM-10:55 AM North Carolina DEQ Recycling and Materials Management Grant Programs

ofCovili present on the long-standing recycling and materials management grain occarains designed to increase recycling topacity and support economic devay increase in the state.

Wendy Worley. NC Department of Environmental Quality

10:55 AM-15:20 AM EPA Region 4 Grant Program

John Leswowerv of the SPA Region **4 grant program and options availac**ie conforming over unlengance.

solio waste and material recovery management. **Delores Rodgers-Smith**, U.S. EPA Region 4

Larry Christley, RSM, TDEC - Division of Solid Waste Management

11:20 AM-11:30 AM Session Close

11:30 AM-1:00 PM Networking Break - Lunch Served in Banquet Rooms











10:55 AM-11:20 AM

Proposed Changes to Rules for Decontamination of Meth Labs

Major changes to the existing meth lab cleanup rules are being proposed, along with more comprehensive guidance on sampling, investigation, and decontamination. Chris Andel, PG, TOEC - Division of Remediation

11:20 AM-11:30 AM 11:30 AM-1:00 PM

Session Close

Networking Break - Lunch Served in Banquet Rooms











8:40 AM-8:50 AM Moderator Amelia Poe, TDEC, opens the session

8:50 AM-9:30 AM Air Quality Permit Fees

This prosession will cover little vises changes for 2018 and 2015 and the mesh frontebuse tible or also not little Vises increases an the current stakeholder process.

James P. Johnston, TOSC - Division of Air Pollution Control

9:30 AM-10:00 AM Refreshments in the Exhibit Hall - Sponsored by tarpARMOR

10:00 AM-10:40 AM EPA Air Quality Update

and the or indentifial regulations and programs.

Scott Davis U.S. EFA Region a

10:40 AM-11:20 AM Tennessee Air Quality Update

The presentation will provide information regarding all quality in Pennessee and Thenses to the Au

One care togeladons and procedures.

Paul LaRock, 1087 - Division of Al-Polistion Control

11:20 AM-11:30 AM Session Close

11:30 AM-1:00 PM Networking Break - Lunch Served in Banquet Rooms

Thursday, May 17

Hazardous Waste

Room 13

8:00 AM-8:10 AM Moderator Benjamin Almassi, TDEC, opens the session

8:10 AM-8:50 AM The Complications of Amending the Definition of Solid Waste

APENS IPA (FEC. Cir. 2017 and 2018) rulings impact on Underground Storage Fonks and Solid Waste Disposal Control Board rule amendments and rule making process

Leslie Wayne Gregory, IDEC - Office of General Counsel

8:50 AM-9:30 AM Federal and State Hazardous Waste, Universal Waste and Used Oil

Regulation & Policy Update

A complined CPA and Tennessee update on recent app pending chargos in the redecat and state.

har and bes maker regulations and any infated guidance

Jacqueline Okoreeh-Baah, TDEC - Dission of Soild Waste Manageme ()

Alan Newman, U.S. Environmental Protection Agency (EPA)

Larry Lamberth, U.S. Environmental Protection Agency (EPA)

9:30 AM-10:00 AM Refreshments in the Exhibit Hall - Sponsored by tarpARMOR

10:00 AM-10:40 AM Understanding EPA's Generator Improvements Rule

Liates an "on the clock" to adopt the more stringent changes under EPAL 2016 Generator

Improvements Rule. We'll discuss the dignificant changes - more/less stangent.

Scott C. Dunsmore, CET, Lien Technology Inc.

10:40 AM-11:20 AM DSWM Elevates Quality and Consistency with Training

TOEC will present new training and outreach programs aimed at elevating our quality and

Tone scency in inspections and materials sampling and analysis.

Patrick Mulligan, PG. FDEC - Division of Solid Wasre Management

11:20 AM-11:30 AM Session Close

11:30 AM-1:00 PM Networking Break - Lunch Served in Banquet Rooms

8:00 AM-8:10 AM	Moderator Patrick Mulligan, TDEC, opens the session
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8:10 AM-9:00 AM Landfill Fires - Cause, Prevention, and Mitigation

to ideal tires present significant environmental problems and impact landfill operations. This presentation will focus on the cause, prevention, and mitigation of these events.

Robert C. Bachus, PhD, PE, DGE, Geosyntec Consultants

9:00 AM-9:30 AM Landfill Leachate Collection Systems - a Review of the Basics

This presentation provides a review of the basics associated with landfill leachate collection and removal systems. Topics include design, layout, operation, and maintenance.

Andrew J. Querio, PE, CPESC, Ell. (Environmental information Logistics)

Chirag Nanavati, Ell. (Environmental Information Logistics)

9:30 AM-10:00 AM Refreshments in the Exhibit Hall - Sponsored by tarpARMOR

10:00 AM-10:15 AM Landfill Leachate Collection Systems Continued

10:15 AM-11:00 AM Odor Control at Class I Landfills

Jertrey Michael Fantell, PE, Joyce Engineering, Inc., a LaBella Company Jason Repsher, TDEC - Division of Solid Waste Management

11:00 AM-11:20 AM Solid Waste Regulatory Updates

Brief andate of TN regulatory changes affecting landfills, processors, and other solid waste permit

holders as well as changes to recyclers.

Nickolaus Brent Lytle, TDEC Division of Solid Waste Management

11:20 AM-11:30 AM Session Close

11:30 AM-1:00 PM Networking Break - Lunch Served in Banquet Rooms

Exhibit Hall Features and Prizes

Exhibitors!

With over 160 different organizations represented in the Exhibit Hall this year, you could spend hours just trying to see all the booths! Fortunately, we've scheduled plenty of time outside of the technical sessions for you to try to meet every exhibitor on site.

Welcome Reception - Wednesday Evening

Join us for a networking reception in the Exhibit Hall, Wednesday, May 16, hosted by Republic Services, Inc. and starting at 5:00 PM. We'll have appetizers and drinks and get to know one another.



tarpARMOR

Networking Breaks

All that technical training can be intense! Stretch your legs and your arms by walking over to the Exhibit Hall for coffee and snacks with a side of handshaking. Our Wednesday afternoon break is sponsored by Jim's Tank Service and our Thursday morning break is sponsored by tarpARMOR and Southwestern Sales.

Ice Cream Social -Thursday Afternoon

Your last chance to see the Exhibit Hall, the Ice Cream Social takes place during the Thursday afternoon networking break from 2:30 to 3:15 PM and features prize drawings and giveaways (plus sundaes)!
You must be present to win!

Hospitality sponsored by HEPACO.

HDTV Giveaway –

How can you be sure you've seen all the exhibitors? Take your Exhibit Hall map with you and get it stamped at each booth you visit. Visit them all for a chance to win a 65" 4k HDTV! The completed map is your entry form. Just drop it in the box at the Exhibit Hall break area by 2:20 PM on Thursday afternoon. The TV giveaway is sponsored by Weaver Consultants Group.

Scavenger Hunt -

Can you spot all 25 shapes hidden in the exhibitor displays? If you can, you will be entered to win an Amazon Echo Show sponsored by NorthStar Contracting Group! Completed entry forms must be dropped in the break area of the Exhibit Hall by 2:20 PM on Thursday.

Exhibitor Superlatives!

New this year, we're looking for your vote on which exhibitor has the most fun display and who has the most educational or informative booth. Your ballot form will enter both you and the exhibitor of your choice to win one of four \$150 gift cards! Thanks to our prize sponsors AmCon Environmental, Pointmap CAD & GIS Services, SWS Environmental Services, and Titan Environmental USA. Ballots are due in by the end of lunch on Thursday - 1 PM.







8:00 AM-8:10 AM

Moderator George C. Garden, TDEC, opens the session

8:10 AM-8:50 AM

Fifty Year Plume Response to Successive Remedial Measures Employed with an Evolving Site Conceptual Model

Calibratife recipion de munte cuspo, as los multi-generacions of romedian musicipas ampioy so at los polygos del complex site with an explaing for those aptual Model.

David Heidlauf, Ramboll

8:50 AM-9:10 AM

Potable Water Loss in Tennessee

Ausbard easter loss date provides haughts into the magnitude, cost, and traces on overall water incountes to the state. The presenter will also use these insights and what the critical Tenne wee may be safer with respect to this well resource.

Angela Jones, PS, TOTC - Division of Water Resources

9:10 AM-9:30 AM

PAA for Wastewater Disinfection: What is Required in TN?

Successful to a find two methods based on receiving stream size for FAA permitting corrently in If and the number of permitted sizes.

Ariel Wessel-Fuss, 1950 - Division of Water Resources

9:30 AM-10:00 AM

Refreshments in the Exhibit Hall - Sponsored by tarpARMOR

Moderator Ariel Wessel-Fuss, TDEC, resumes the session

10:00 AM-10:40 AM

UAS-Based LiDAR Technology to Support Water Quality and Environmental

Site Management

UAS based LiDAR technology is well suited for water quality and environment of title management. For contaction will review capabilities and limitations through case studies.

Andrew Carroll Skytec Lac

10:40 AM-11:20 AM

Bowling Green, KY - An Example of the Challenges of Developing on Karst

This presentation will highlight several of the challenges of developing on hars, or alos, such as secknolar colleges flooding and susceptibility to colleges:

Timothy Eugene Slattery, MS, TPM

11:20 AM-11:30 AM

Session Close

11:30 AM-1:00 PM

Networking Break - Lunch Served in Banquet Rooms

and More Thanks

Attendee Feedback Prize -

We want to hear from you! Give us your feedback and be entered to win one of two \$150 gift cards! Forms may be turned in at the Exhibit Hall break area or to On-Site Registration. The winner will be drawn during the Closing Session and you must be present to win. Prizes sponsored by Enterprise Oil and Lighting Resources.

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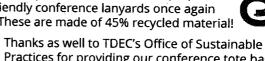
Exhibitor Feedback Prize -

We want to hear from Exhibitors too! Exhibitors who complete and return their feedback forms by 2:20 PM on Thursday will be entered to win a free standard booth for next year's event, May 15-17, 2019!





While we're thanking people...Our thanks to Environmental Specialties International (ESI) for our eco-friendly conference lanyards once again this year. These are made of 45% recycled material!





Practices for providing our conference tote bags, a 100% recycled and Made in the USA product. Be sure to stop by the TDEC Regulatory booth to pick up yours!

(The conference padfolios are also Made in the USA and their covers are made of 80% post-consumer material.)

We also want to thank Wright Brothers Contracting for providing food for the hungry pub crawlers on Tuesday night.



Finally, thanks as well to Burr & Forman for sponsoring our mobile app and to BDY Environmental for developing it.

BDY

HURR FORMAN

Thursday, May 17	Environmental Law	Room 18-19
8:00 AM-8:10 AM	Moderator Joseph Sanders, TDEC, opens the session	
8:10 AM-8:50 AM	OSHA Safety & Health Critical New Regulatory and Le Developments, Updates and Hot Topics Michael C. Mallen, Miller & Martin PLLC	gislative
8:50 AM-9:30 AM	The Ole Pay and Chase How UST Has Reduced Their This presentation will demonstrate actual case studies that has lead to reimbursement funds improperly paid to contractors providing work to Melinda Weir, TDEC - Division of Underground Storage Tanks	o the recovery of
9:30 AM-10:00 AM	Refreshments in the Exhibit Hall - Sponsored by tarp	ARMOR
10:00 AM-10:35 AM	The Complications of Amending the Definition of Solid API vs. EPA (D.C. Cir. 2017 and 2018) rulings impact on Underground Solid Disposal Control Board Luie amendments and rulemaking process. Leslie Wayne Gregory, TDEC - Office of General Counsel	d Waste Storage Tanks and Solid Woste
10:35 AM-11:20 AM	Navigating the Local Approval Process for Permitting	of Solid Waste

Discussion of the Solid Waste permitting process as it relates to the application of the "Jackson Law"

and local approval provisions for landfills and processing facilities, Permit by Rule, etc. William L. Penny, Burr & Forman. U.F.

E. Joseph Sanders, TDEC - Office of General Counsel

Session Close 11:20 AM-11:30 AM

Networking Break - Lunch Served in Banquet Rooms 11:30 AM-1:00 PM

Professional Development

SWANA Members can earn up to 12 Continuing Education Units (CEUs) for relevant technical sessions. CEU forms will be available at the TN SWANA Booth and in the sessions.



Professional Engineers can earn Professional Development Hours (PDHs) at the conference. Keep a record of your attendance, including a marked copy of the agenda indicating items attended, your receipt, and badge.

Attorneys can earn Continuing Legal Education (CLE) credits through the Tennessee Bar Association. Attorneys who wish to receive CLE credit must complete a form in the Environmental Law Sessions documenting session attendance and pay an additional \$150 fee along with conference registration.

Certified Hazardous Materials Managers/ Practitioners can earn up to five Certification Maintenance Points (CMPs) per day. CHHMs and CHMPs are responsible for their own recordkeeping and must keep their badges and agendas.

Certificates of Attendance can be purchased by any attendee for \$10. Certificates can be picked up on May 19 prior to the conclusion of the conference.

Certified Landfill Operators can earn up to nine hours of continuing education during the conference. One credit hour is earned for each hour spent in the Solid Waste sessions. Half credit may also be earned in by attending certain presentations in other tracks on Thursday afternoon:

Air Quality (Rm 12):

Updates on NSPS XXX/Cf Implementation and Compliance (1:00 - 2:30 PM)

Coal Combustion Residuals (CCR - Rm 14): All presentations qualify (1:00 - 4:45 PM)

Water (Rm 16-17):

Water/Air Quality Requirements and Updates for Landfills (1:00 - 1:50 PM)

Multi-Site Performance Review of Liquid Activated Carbon for Groundwater Treatment (3:55 - 4:45 PM)

Forms will be available in the qualifying sessions to those desiring the credit. There is no additional charge for this.





11:30 AM-11:45 AM

Attendees get their lunches and get settled

11:45 AM-12:45 PM

TDEC Bureau of Environment Programs

An opportunity to hear from the TDEC Bureau of Environment divisions regarding the year's highlights and upcoming plans for each program.

TDEC - Division of Air Pollution Control

TDEC - Division of Radiological Health

TDEC - Division of Remediation

TDEC - Division of Solid Waste Management

TDEC - Division of Underground Storage Tanks

TDEC - Division of Water Resources

12:45 PM-1:00 PM

Attendees finish their meals and prepare for the

next breakout













Attendees, exhibitors, and booth workers alike are invited to join us at the Tennessee Aquarium Thursday evening, thanks to the Recycle Used Oil Program! We'll have the run of both aquarium buildings and the outside at the Pavilion, where our Conference Program cover photo was shot during the sunset last year! Our private reception starts at 7:00 PM under the Pavilion outdoors, with light hors d'oeuvres and access to a cash bar. Then, grab a drink and make your way inside the aquarium where we can mix and mingle among the aquatic life until 9 pm. TDEC's Used Oil Program is sponsoring this event to give us a firsthand view of why it's so important to recycle our used oil: so it doesn't contaminate our waterways and hurt these amazing animals!

The Tennessee Aquarium is located at 201 Market Street on the Riverwalk. That's an easy 20 minute stroll from the Convention Center if you'd like some fresh air, or hop on Downtown Chattanooga's free electric shuttle to get there even faster. Catch the shuttle outside the Marriott Hotel just next door to the Convention Center.









	1		7 Afternoon Session	
	Room 9-10	Room 11	Room 12	Room 13
	Materials Management	Toxic Substances	Air Quality	Emerging Contaminants
	Session opening Financial Management Panel	Session opening	Session opening	Session opening
	Profit/Loss Tracking for Small	New TSCA Active/Inactive	Chattanooga's Air Quality	Emerging Contaminants: Poly- &
	Recyclers	Chemical Lists: Are Your	Progress	Perfluoroalkyl Substances (PFAS)
	Recyclers	Chemicals Banned?	1 1091033	or indeposition (i vive)
		Chemicais banned?		,
ļ	EPA Cost Benefit Analysis Tool	Lead Poisoning: All in the		
ı		Family		
ı		,	EPA Considerations on Air	Keeping Receiving Waters Safe:
	· ·		Quality	Removing PFCs
	Cost Benefiting County	The Environmental Injustice of		
	Recycling Programs	Lead Poisoning in Shelby		
	, , ,	County		
	Financial Management ends			
	Refin	eshments served in the Exhibit I	iall - Sponsored by Jim's Tank :	
	Solid Waste Planning Panel	Generator Must-Knows for	Air Quality Health Benefits in	North Carolina DEQ Update on PFO
	Davidson County Long-Term	Shipping Hazardous Waste	Tennessee	/ PFOA / GenX
	Zero Waste Master Plan			
		Comprehensive Housing		
ŀ	Using Technology for Waste	Interventions: A New Way		
•	Diversion & Community	•		
	Outreach	Forward for Healthy & Efficient	Tennessee and the Volkswagen	Per- and Polyfluoroalkyl Substance
	Outeach	Communities	Diesel Settlement	(PFAS) in the Environment
	1	Davidada Efficient Contract	-	
	Louisville's Solid Waste Study	Developing Efficient Systems for		
	Efforts, Future is Now	Mobile Inspection and Permitting		
			1	
	Session close	Session close	Session close	Session close
ļ	Welcome Rec	eption held in the exhibit hall 5:0	00 to 6:30 pm - Sponsored by Re	epublic Services
			017 Morning Session	
	Room 9-10	Room 11	Room 12	Room 13
	Materials Management	Remediation	Air Quality	Hazardous Waste
		Exhibit Hall open Breakfa	st served in the Exhibit Hall	
	Session opening	Session opening	2011 F	Session opening
	Oraganics Panel			
	Taking On Large Organics	Horizontal Wells for Remediation		The Complications of Amending the
	Collection Projects	of Chlorinated Solvent Sites		Definition of Solid Waste
-	•			
	Surplus Food Donations "An	Using EPA Brownfield Grants as	1	
	•	a Tool for Community	Session opening	1
Ì	Alternative to Throwing Away	•		
-	Food"	Revitalization	Air Quality Permit Fees	Federal and State Hazardous Was
	Ì		4	Universal Waste and Used Oil
		Choosing the Correct		Regulation & Policy Update
	Food Waste Management and			1
	Food Waste Management and Composting on a College	Remediation Tool from the		
The state of the s	Composting on a College			
The same and the s		Remediation Tool from the		

			y 17 Afternoon Session			
	Room 14	Room 15	Room 16-17	Room 18-19	Ĩ	
Carrier II	Underground Storage Tanks	Solid Waste	Water	Environmental Law		
	Session opening	Session opening	Session opening	Session opening	*20.40	
	Division of Underground Storage	Landfill Stability Part 2: Visual	Impacts of Invasive Aquatic	Ethics Part I	-	
Sit Uses	Tanks Regulatory Changes	Indicators and Corrective	Plants on Lake Ecosystems	Ethics Part I		-
	Update	Measures	I lants on Lake Ecosystems			100
	Managing Rebound by					
	Combining Persulfate, In Situ		İ			100
Francisco Art (Mar	Ferrate Generation and				146	
	Enhanced Bioremediation for					
	Safer, More Effective Remedial		Navigating the New Jersey and	7		
	Restoration & Reuse of	Challenges of Early Closure of	-Washington State Stormwater	<u> </u>		
	Abandoned Facilities with	Landfills	Programs as Models for	,		
d distri	Underground Storage Tanks	Landins	Approving Manufactured			
	Onderground Storage Tanks		Treatment Devices	}		
100	Rofi	randrande assertante in internación de la constante de la cons				
	Groundwater High-Resolution	Win - Win by Reuse of the	Hall-Spansoned by Jim's Tan			
7571	Site Characterization (HRSC)		Evaluation of Municipal	Ethics Part II: Ethics in Litigation		lia.
	one characterization (FINSC)	Customer's Special Waste	Sewerage Systems in	and Appeals		1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1
			Tennessee			
						Gr. Jasa
6 W/* NO P		Tier 2 Testing for MSW Landfill	-			1
(L:1]		Emission Guidelines and NSPS				1000
	UST Case Study Using	Emission Guidelines and NSPS	Sustainability in Green	1		41.43
	Innovative Technologies		Landscaping & Tried and True			271.650
	-		Plant Choices for Bioswales in	•		2 (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
	ì	DSWM Elevates Quality and	TN			
		Consistency with Training	·			19 19 an
		Conditioner with Training				
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1		Session close	Session dose	Session close		10 mm
	Welcome Rec	epiton seld in the exhibit hall s	ODE CALL DING Sponsored by	Republic Services		
		Thursday, May 18,	2017 Morning Session		Se of Co	erbacke made
	Room 14	Room 15	Room 16-17	Room 18-19		
		Solid Waste	Water	Environmental Law		
3.33		Exhibit Hall open; Breakf		The state of the s		第
Cologue Cologue		Session opening	Session opening	Session opening		*
				J Good of Opening		
10.7		∟andfill Fires - Cause,	Fifty Year Plume Response to	OSHA Safety & Health Critical	1	
COPPE .	e galagoria	Prevention, and Mitigation	Successive Remedial Measures	New Regulatory and Legislative	918	
			Employed with an Evolving Site	Developments, Updates and Hot	-	
			Employed with an Evolving Oile			ALC: CARRE
			Conceptual Model	Topics	t	Light States
	· ·			Topics	ŀ	
				Topics		
			Conceptual Model			
			Conceptual Model Potable Water Loss in	The Ole Pay and Chase – How		
			Conceptual Model			
		andfill Leachate Collection	Conceptual Model Potable Water Loss in Tennessee	The Ole Pay and Chase – How		
	5	andfill Leachate Collection Systems - a Review of the	Conceptual Model Potable Water Loss in	The Ole Pay and Chase – How		
	S S	andfill Leachate Collection Systems - a Review of the Basics: Design, Layout,	Conceptual Model Potable Water Loss in Tennessee	The Ole Pay and Chase – How		X 40 X
		andfill Leachate Collection Systems - a Review of the	Conceptual Model Potable Water Loss in Tennessee	The Ole Pay and Chase – How		

			orning Session Continued	
	Room 9-10	Room 11	Room 12	Room 13
	Materials Management	Remediation	Air Quality	Hazardous Waste
	Grants Panel	Reasons and Technology for	U.S. EPA Air Quality Update	Understanding EPA's Generator
11	Audit Preparedness for Grant	Controlling Excessive		Improvements Rule
	Contracts	Methanogenesis during		·
	00	Remedial Actions		_
		Remediai Actions		
		O tulled Delegan	'	
	North Carolina DEQ Recycling	Controlled Release		
	and Materials Management	Environmental Reactants - A	Tennessee Air Quality Update	
	Grant Programs	More Efficient Approach to In	l letitlessee All Quality opudio	DSWM Elevates Quality and
		Situ Remediation		Consistency with Training
1	EPA Region 4 Grant Program	Proposed Changes to Rules for		Consistency war rouning
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٠		Decontainination of Metal Labs		
			Consider along	Session close
	Session close	Session close	Session close	Jession dosc
		Lunch served in Bangu	et Rooms 11:30 to 1 pm	
300		Thursday, May 18, 20	017 Afternoon Session	
	Room 9-10	Room 11	Room 12	Room 13
	Materials Management	Vapor Intrusion	Air Quality	DOT Hazardous Waste Refresher
	Session opening	Session opening	Session opening	Session opening
		Session opening	Session opening	0000,0.1. 04079
	Rethinking C&D Panel Construction & Demolition	Locating and Assessing the Age	Updates on NSPS XXX/Cf	DOT Hazardous Materials Refresher
			Implementation and Compliance	& Update
	Recycling in the US: Current	of VOC Sources Beneath Large	Implementation and Compliance	& Opuate
	State of Practice	Buildings	i	
				İ
		Pilot Testing: The Key To Vapor	1	
		Intrusion Mitigation Success		
		The dolon timegation odobood		
	The Baltimore Wood Project:			
	Finding Wealth in the Waste		4	
	Stream	Vapor Intrusion Mitigation -		
		Engineering Controls for Indoor		
		Air Protection of Large	İ	
	1	Commercial Structures		
	1			
	Ice Cre	am Social held in the Exhibit Hai		y HEPAGO
, 1	Household Hazardous Waste and	Natural Source Zone Depletion	Permits by Rule and General	DOT Hazardous Materials Refresher
Š.	Ethanol and Sugar Recycling		Permits	& Update Continued
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	Temporary HHW Containers,			
	Convenience to the Citizens	Vapor Intrusion Mitigation	EPA Memorandums from Scott	1
	4	Technologies & Trends for	Pruitt	
	Charge Up Safety: Addressing	Brownfield Redevelopment		
		1		1
	Lithium Battery Management		1	
			0	Session close
	Session close	Session close	. Session close	Session close

		Thursday, May 18, 2017	Morning Session Continued			
	Room 14	Room 15	Room 16-17	Room 18-19		
		Solid Waste	Water	Environmental Law		
		Landfill Leachate Continued	UAS-Based LiDAR Technology	The Complications of Amending		
	·		to Support Water Quality and	the Definition of Solid Waste		
er crame		Odor Control at Class I Landfills	Environmental Site Management			7 7 7 47
		Coor Control at Glado I Edilania		<u> </u>		
				Novigating the Legal Approval	1	
			Bowling Green, Kentucky - An	Navigating the Local Approval Process for Permitting of Solid		
			Example of the Challenges of	Waste Landfills		
	-		Developing on Karst	I vaste Landillis		
		Calid Manta Danielani I Indata	- Coroloping on Nation			
	•	Solid Waste Regulatory Updates				
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e Claim			กับดี เรืออีกเรียกโรยได้นำอักประชาช 2017 Afternoon Session			
	Room 14	Room 15	Room 16-17	Room 18-19	1	
	Coal Combustion Residuals	SWANA	Water	Environmental Law		
	Session opening	Session opening	Session opening	Session opening		
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na dirimin	Beneficial Use of Coal	Going Green and Saving Green:	Water/Air Quality Requirements	Tweets in the Air 2	1	A 12 - 18 4 1 - 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Combustion Residuals for	The Environmental and Financial	and Update for Landfills			
	Closure of Coal Ash	Benefits of Exposed				
	Beyond Cap-in-Place: CCR On-	Geosynthetics				
	Site Clean Closure Using	-				
	Macroencapsulation					
	Lessons Learned with Closure	Land Application Requirements	How To Get Your Wastewater			
	by Removal Projects	for Residual with Pathogens and	1			
	by Removal Projects	Vectors	rrian Approved Faster:		1.54	
Male of the second		Vectors				
	Group Discussion	·		, i		4
		am Social held in the Exhibit Ha		 		
	Innovative Hydraulic Matrices:			Chattanooga Brownfields: The		
		Landfill Liner Geomembranes -	l ,	Encore Mystery Tour		
	Standard Equipment	A Case Study	Cover Systems for CCR Unit			
	Remedial Technologies to		Closures			
(2)	Address CCR Constituents in					* 1
4.29.012.0	Groundwater					
10 f 5 kg	Investigating CCR Impacts: An	Case Study on Use of Passive	Multi-Site Performance Review			
		•	of Liquid Activated Carbon for			
			Groundwater Treatment			
		Groundwater Impacts	Olounamator reaument			
	Group Discussion	· I		!		
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Thursday, May 17	Materials Management Room 9-10
1:00 PM-1:10 PM	Rethinking C&D Panel Moderator Bob Fletcher, TDEC, opens the session
1:10 PM-1:50 PM	Construction and Demolition Recycling in the US: Current State of Practice The current state of C+O debris recycling in the US will be discussed. Benefits, opportunities and challenges will be highlighted. Timothy G. Townsend, University of Fierida
1:50 PM-2:30 PM	The Baltimore Wood Project: Finding Wealth in the Waste Stream Vacant and blighter housing units plague many Cities. In Baltimore The USES and Humanim are working with the City to remove blight, crease jobs, and restore the land. Morgan Grove [effrey E. Carroll, MEA LEED AP, Humanim]
2:25 PM-2:30 PM	Panel Conclusion
2:30 PM-3:15 PM	Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO
3:15 PM-3:20 PM	Household Hazardous Waste/BOPAE Panel Moderator David Sutton, TDEC, opens the discussion
3:20 PM-3:45 PM	Ethanol and Sugar Recycling Review of Dynamic Recycling's new Bristol TN facility that focuses on recycling of ethanol and sugar based wastes. Brian W. Potter, Dynamic Recycling LLC.
3:45 PM-4:10 PM	Temporary HHW Containers, Convenience to the Citizens Temporary HHW containers (THRWC) are options for counties and municipalities to have a year round location. The convenience meets Objective 2 and 7 of the 2025 plan. Bob Fletcher, TDPC - Division of Solid Wasta Management



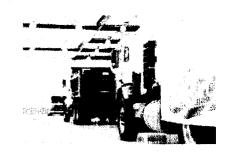
Charge Up Safety: Addressing Lithium Battery Management
Cad2Recycle will provide insight on why lithium based batteries are causing safety, and fire issues, and steps to address their proper management and recycling
Timothy Warren, Cal2Recycle, mo.

Session Close 4:35 PM-4:45 PM

Networking Reception at the Tennessee Aquarium 7:00 PM-9:00 PM







7:00 PM-9:00 PM

1:00 PM-1:10 PM	Moderator Charles Jobe, TDEC, opens the session
1:10 PM-1:35 PM	Locating and Assessing the Age of VOC Sources Beneath Large Buildings This presentation dentities how to collect and use high resolution substitution and cas data was and GRS technologies to evaluate the rocation and age of VOC sources of door in bane at a page reducing the Craige A. Cox. CPG, Cox-Covid & Ausor rates that
1:35 PM-2:00 PM	Pilot Testing: The Key to Vapor Intrusion Mitigation Success Soil Vapor Mitigation is an effective tool in the environmental professionals arsenal when treating about arrosion, but only when done correctiv. Diagnostics are a morning of science, field expensione and feer 82 creating a solid data sections these trong MicDonald. A-Z Solutions, Inc.
2:00 PM-2:30 PM	Vapor Intrusion Mitigation - Engineering Controls for Indoor Air Protection of Large Commercial Structures Large buildings require industrial scale vapor increasion mitigation aquipment installation, in configuration systems are not sufficient for commercial applications. Dr. Lindsay Swearingen, Specialty Earth Sciences, LLC
2:30 PM-3:15 PM	Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO
3:15 PM-3:55 PM	Natural Source Zone Depletion Fixed on discussing the different methods of measuring NSZD, the key NSZD Gements of the LCSM and where NSZD fits into your LCSM when molding site decisions. Justin Micah Meredith, TDEC - Division of Remediation
3:55 PM-4:35 PM	Vapor Intrusion Mitigation Technologies & Trends for Brownfield Redevelopment Lead at the value incresion mitigation technologics available for new quest laction, and existing a factoriogic available for new questions and existing a factoriogic available for new questions and existing a factoriogic materials. Increase Weine, MPA, Land Science
4:35 PM-4:45 PM	Session Close

Thursday, Ma	y 17 Air Quality Room 12
1:00 PM-1:10 PM	Moderator Amy Katcher, TDEC, opens the session
1:10 PM-2:30 PM	Updates on NSPS XXX/Cf Implementation and Compliance Julie Hall. Comperstone Environmental Group
2:30 PM-3:15 PM	Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO
3:15 PM-3:55 PM	Permits by Rule and General Permits Discussion of Permits-by Rule and General Permitting, new permitting appears for certain industry groups, riow on they work, what advantages they have, and who can use them. Donovan Grimwood, TDEC - OEA Small Success Environmental Assistance program
3:55 PM-4:35 PM	EPA Memorandums from Scott Pruitt Discussion of recent memorandums from EPA that clarify or change soon enpolicies affecting per mit holders. Lem Stevens, Stevent Environmental Consulting
4:35 PM-4:45 PM	Session Close
7:00 PM-9:00 PM	Networking Reception at the Tennessee Aquarium

Networking Reception at the Tennessee Aquarium

Thursday, May 17	DOT Hazardous Materials	13
illarsaay, riay ri	Refresher & Update	-3
1:00 PM-1:10 PM	Moderator Robert Nakamoto, PE, CHMM, TDEC, opens the session	
1:10 PM-2:30 PM	DOT Hazardous Materials Refresher & Update This Lession covers recent developments, special topics, and useful tips in hazmat transpacts will be provided per 49 CFR 172.702(d). Linda Lawhorn, CHMM, CDGP, Strata-G Staffing Services	portation.
2:30 PM-3:15 PM	Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO	
3:15 PM-4:35 PM	DOT Hazardous Materials Refresher & Update Continued	
4:35 PM-4:45 PM	Session Close	
7:00 PM-9:00 PM.	Networking Reception at the Tennessee Aquarium	

Thursday, May 17	Coal Combustion Residuals Room 14
1:00 PM-1:10 PM	Moderator Rob Burnette, TDEC, opens the session
1:10 PM-1:30 PM	Beneficial Use of Coal Combustion Residuals for Closure of Coal Ash Impoundments Fooks all and certain State regulations allow the use of coal compustion residuals (CCR) for beneficial uses. This presentation provides a case study of a CCR impoundment closure that used CCR to the eace final grades as part of the closure. Rick J. Ruffaim. PE, Civil & Environmental Consultants, inc.
1:30 PM-1:50 PM	Beyond Cap-in-Place: On-Site Clean Closure using Macroencapsulation Economical/environmental CCR beneficial use system offers clean closure of CCR impoundments EncAP-IT's safeBERM® technology converts wet basins to dry, lined storage.' John P Swenson, EnCAP-IT Jeffrey Crate, Waste Resource Services. LLC
1:50 PM-2:10 PM	Lessons Learned with Closure by Removal Projects Review of lessons learned during closure by removal projects. We will explore the operational and efficiency challenges encountered and methods for mitigation. Kathryn Nash, Waste Management
2:10 PM-2:30 PM	Group Discussion
2:30 PM-3:15 PM	Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO
3:15 PM-3:35 PM	Innovative Hydraulic Matrices: Expanded BMP's Using Standard Equipment Lighthorn how hydraulically applied tools are being used in the erosion control and vegetative rehabilitation spaces. Troy Duxbury, LSC Environmental Products, LLC
3:35 PM-3:55 PM	Remedial Technologies to Address CCR Constituents in Groundwater Brief discussion of concepts of hydrogeology and geochemistry as they apply to evaluating end selecting remedial technologies for CCR Rule Appendix IV constituents in groundwater and summary of experience with in-situ and ex-situ technologies for groundwater remedies. Richard W. Arnseth, PhD, PG, PMP, Tetra Tech, Inc.
3:55 PM-4:15 PM	Investigating CCR Impacts: An Overview of the EIP Process in TN Overview of the EiP development process, a review of core elements of the EIP, and an update on the current stacks of site investigations at each TVA CCR Facility in TN. Robert Wilkinson, PG, CHMM, TDEC Sureau of Environment
4:15 PM-4:35 PM	Group Discussion
4:35 PM-4:45 PM	Session Close
7:00 PM-9:00 PM	Networking Reception at the Tennessee Aquarium

1:00 PM-1:10 PM

Moderator Mary Anderson, SWANA, opens the session

1:10 PM-1:50 PM

Going Green and Saving Green: The Environmental and Financial Benefits of Exposed Geosynthetics

Plantace many environmental and line wall-hadinges. Learn new exposed geosynthedic can be you operate grammater law you money:

Nyen Kamp - hasapeake Containment Systems, Inc.

1:50 PM-2:30 PM

Land Application Requirements for Residuals with Pathogens and Vectors

An everytew of land application requirements for various residuals that contain pathogens and vectors, such its biosolids and food processing wastes.

Robert 6 Charto TOFF Interior of March (Section 1)

Robert G. O'Dette, TDEC - Division of Water Resources Serena A. Broska. TDEC - Division of Solid Waste Management

2:30 PM-3:15 PM

Ice Cream Social in the Exhibit Hall - Sponsored by HEPACO

3:15 PM-3:55 PM

Electrical Leak Detection for Landfill Liner Geomembranes

Historian in Plectri al Lack Location. A guide for planning and preparing to the price cleak subtract. A tensor plann of each rest method, equipment, advantages and ciscos antages. Highlight my privaces and results.

Andrew Allen Colby Bunnell - Lammons Engineering, Inc.

3:55 PM-4:35 PM

Case Study on Use of Passive Soil Gas Sampling Devices to Delineate VOC and TPH Groundwater Impacts

Passing Foil Cas (PSG) methods were used whitear a closed landfill size to losed by an official contaction source(s) and to belineate groundwarer impact areas.

Michael Hirt, PG, Environmental Information Logistics, ILC

Andrew J. Querio, PE, CPESC, Fit. (Environmental Information Logistics)

4:35 PM-4:45 PM

Session Close

7:00 PM-9:00 PM

Networking Reception at the Tennessee Aquarium

Eco-Friendly Advancements

Conferences are not known for being the most environmentally-friendly activities, and neither is golfing, but the State of Tennessee is making great strides to change that!

The Harrison Bay State Park which hosted our Show of the South Golf Tournament on Tuesday, May 15, is known for more than just their Eagle Cam (harrisonbayeaglecam.org); their signature Jack Nicklaus designed

TENNESSEE State Parks

Bear Trace golf course has a reputation for being even greener than the color of their fairways! They are certified with the Audubon Cooperative Sanctuary Program for Golf and the Golf Environment Organization (GEO), as well as being a Groundwater Guardian Green Site.

Harrison Bay is located on 40 miles of the Chickamauga Lake shoreline, and the careful management of this golf course has a direct correlation with its amazing wildlife's ability to thrive.



TDEC would like to make the Show of the South just as green as the golf course! Our 2025 Solid Waste Management Plan encourages the reuse, composting, and beneficial use of organics and sets a goal for expanding education and outreach concerning waste reduction, recycling, and composting programs to the public. What better place to see these goals in action!

We've made sure to source eco-friendly swag, and our tote bags, lanyards, and padfolios are all made with recycled materials. But one of the biggest challenges for an event like this is the amount of trash generated! They say the average conference attendee generates about 61 pounds of waste per day, compared to an 13.5 pounds produced by the same person at home.

We've hired Atlas Organics to collect and compost



our food waste! All of our leftover or scrap food (except raw meat) will be collected and composted, as well as things like napkins, wood coffee stirrers and compostable cocktail straws!

Thursday, May 17	Water	Room 16-17
1:00 PM-1:10 PM	Moderator Angela Jones, TDEC, opens the session	
1:10 PM-1:50 PM	Water/Air Quality Requirements and Update for L And a service of landfill air outsity and stormwater compliance reg the poses of and XXX subpared Josh Haar, PE, Trinity Consultants Lina Luo, Trinity Consultants	andfills relations, and the latest updaces to
1:50 PM-2:30 PM	How To Get Your Wastewater Plan Approved Faste The major delay in approving wastewater treatment construction process. By involving TDEC-DWR early, delays can be eliminated. George C. Garden, PE, BCEE, TDEC - Division of Water Resources	n documents of the permitting
2:30 PM-3:15 PM	Ice Cream Social in the Exhibit Hall - Sponsored by	<i>,</i> НЕРАСО
	Moderator George C. Garden, TDEC, resumes the	session
3:15 PM-3:55 PM	Technical and Cost Comparisons of Candidate Fin Unit Closures This presentation will discuss benefits and challenges, design corperformance, and construction and post-closure maintenance cosystems that are applicable to closure of a CCR unit. Ming Zhu, PhD, PE, Watershed Geosynchetics	nsiderations, technical
3:55 PM-4:35 PM	Multi-Site Performance Review of Colloidal Carbo This presentation will examine evidence from the field related to certinology, subsurface distribution, and short and long term per Chad Northington, PE, Regenesis	practical application of the
4:35 PM-4:45 PM	Session Close	
7:00 PM-9:00 PM	Networking Reception at the Tennessee Aquarium	m

Thursday, May 17	Environmental Law	Room 18-19
1:00 PM-1:10 PM	Moderator Karen Simo, TDEC, opens the session	
1:10 PM-2:30 PM	Tweets in the Air 2 A presentation to update topics from last year's program covering change. EPA under the Clean Air Act to the Clean Power Plan and more. Steven R. Stout, TDEC - Office of General Counsel. Khurshid K. Mehta, TVA	ges from the Trump/Pruitc
2:30 PM-3:15 PM	Ice Cream Social in the Exhibit Hall - Sponsored by HEP	ACO
3:15 PM-4:35 PM	Chattanooga Brownfields: The Encore Mystery Tour Join us for classroom discussion of the legalities of the Brownfield processing one mobile mystery tour of some nearby brownfield situs that hat Chattanooga renaissance. David C Higney, Grant Konvallina & Harrison, PC Troy Keith, PG, TDEC - Division of Remediation Evan Spann, TDEC - Division of Remediation Karen Stevenson Simo, TDEC - Office of General Counsel Michael C. Mallen, Miller & Martin PLEC	ess and (if appiloved) ve contributed to the
4:35 PM-4:45 PM	Session Close	
7:00 PM-9:00 PM	Networking Reception at the Tennessee Aquarium	



Feedback Drawings

We want to hear from everyone—attendees, exhibitors, speakers,

moderators, booth workers-what

On-Site Registration, the Exhibit Hall

To thank you for helping us continue

to improve, your feedback survey

will also act as your entry into a prize drawing! The Exhibitor

Drawing will be part of the Ice

Cream Social, and the Attendee

Drawing will take place during the closing session on Friday. You must

Break Area, or the collection box in

did you think about the Show?
Turn in your Feedback Survey at

the Closing Session.

be present to win!

7:30 AM-8:15 AM

8:15 AM-8:20 AM

Breakfast available in Meeting Room

Good Morning!

Patrick J. Flood, PE, Director, TDEC - Division of Solid Waste Management

8:20 AM-8:50 AM

Legislative Update

A review of legislative initiatives considered during the first session of the 111th Tennessee General Assembly that addressed environmental, conservation, and energy policy issues.

Alexa Witcher, TDEC - Office of General Counsel Mallorie Kerby TDEC - Office of General Counsel

8:50 AM-9:10 AM

TDEC Bureau of Environment Update Tisha Calabrese Benton, Deputy Commissioner,

TDEC Bureau of Environment

9:10 AM-10:50 AM

Region 4 State Panel Discussion

State regulators will highlight the work their states are doing and comment on some of the issues important to all Region 4 states. Topics of discussion may include Coal Combustion Residuals Management, Generator Improvement Rule Impacts, and PFAS Issues and Future Initiatives.

10:50 AM-11:00 AM

Closing Remarks
Patrick J. Flood, PE

11:00 AM

Conference Adjournment

MARK YOUR CALENDARS: THE SHOW OF THE SOUTH RETURNS TO CHATTANOOGA MAY 17-19, 2019











bitors

A&D Environmental Services (208)

A&D Environmental, Inc. provides a diverse range of responsible, accountable services that reduce risk and deliver peace of mind to the customers, communities, and consultants we serve. Our diverse range of environmental services include: Industrial Services, Remediation, Waste Management, Emergency Response and Transportation.

A.E. Drilling Services, LLC (310)

A.E. Drilling Services, LLC has been providing national clientele high-quality environmental, geotechnical, mineral exploration, and commercial water supply drilling services since 1969. We are a woman-owned small business based in the Greenville, South Carolina area and serve the southeast region. Our capabilities include auger, air rotary/air hammer, mud rotary, and DPT drilling.

Action Environmental (818)

Action Environmental provides environmental services and industrial services which have a broad application across many industries. Additionally, we provide specialty services which include industrial painting and coating, pipeline and terminal services, rail car services, and remediation services.

Advanced Environmental Services, Inc. (304)

AdvancedEnvironmental.com
AES provides remediation equipment sales, rentals and services.
With over 150 systems in our fleet, we have the largest in-house selection of mobile remediation systems available. We also offer a huge selection of remediation system components and environmental instruments.

AECOM (509-608)

Our environmental services help industrial and public sector clients around the world balance growth with resiliency — achieving compliance and reducing, or eliminating, risks while protecting our natural environment.

AGRU America, Inc (702)

Since 1988, Agru America, Inc. has been the world's leading manufacturer of flat die extrusion geomembranes, geonets, geocomposites, geotextiles and geosynthetic clay liners. Agru is part of Alois Gruber GmbH, an Austrian family-owned business since 1948 with production facilities in Austria, the U.S., Germany, China and India, and distribution in over 80 countries worldwide.

Air Dynamics Testing (130)

airdynamicstesting.com
The Trusted Name in Source Testing, Air Dynamics Testing provides
high quality, cost effective source testing solutions along the I-65
corridor. For more information on the testing we provide, give us a
call at 1-855-839-8378 (TEST).

Air Water & Soil Laboratories, Inc. (211)

awslabs.com
Air Water & Soil Laboratories, Inc. is a full-service laboratory
specializing in the analysis of environmental samples. With over
20 years of experience in servicing a wide range of industries, AWS
offers data of the highest quality and excellent customer service.
Please visit www.awslabs.com for more information about our
services and capabilities.



AmCon Environmental (808)

covers since 1988. Our tarps are easy to deploy, save air space and time. We build the toughest tarps possible and offer same day shipping on stock items while custom tarp orders are processed promptly and to your design.

American Lamp Recycling LLC (711)

.....americanlamprecycling.com

Arcadis (305-404)

www.arcadis.com/en/united-states/
Arcadis is the leading global Design & Consultancy firm for
natural and built assets. Applying our deep market sector insights
and collective design, consultancy, engineering, project and
management services we work in partnership with our clients to
deliver exceptional and sustainable outcomes throughout the
lifecycle of their natural and built assets. Arcadis. Improving quality
of life, www.arcadis.com.

ATC Group Services (231)

ATCGroupServices.com
ATC is a national provider of integrated environmental consulting
and engineering services. We offer comprehensive expertise in air,
land, and water combined with full design, project management,
and implementation services to handle any challenge from
consulting to completion.

Aulick Chemical Solutions (128)

aulickchemical.com
Aulick Chemical Solutions is a regional leader providing custom
solutions to clean water and control odor. Public utility sector with
wastewater and drinking water treatment and private industry with
manufacturing, processing, and rendering facilities, Aulick has the
experience to design custom solutions specific to your application.
We're willing to go the extra mile to clean water or prevent
hydrogen sulfide, odor, and corrosion for your utility or company.

A-Z Solutions, Inc (105)

A-Z Solutions is the recognized leader in vapor intrusion mitigation. Our innovative system designs coupled with environmentally sustainable technology ensures our VI systems will be delivered on time, on budget and with optimal results. A-Z follows a solid foundation of basic principles: Environmental stewardship, exceptional customer service and strong business ethics.

Bakers Waste Equipment Inc. (522)

Founded in 1981 with a vision to manufacture and provide waste handling equipment to the hauler and municipality network. After decades of success and growth, BWE continues to investment in its core products which include steel front load containers, roll off containers, heavy duty industrial containers, hoppers, trailers, recycling containers, and an innovative line of Pinnacle Compactors that is rapidly gaining market share and awareness.

Barge Design Solutions (512)

Barge Design Solutions provides permitting and design services for municipal and industrial solid waste landfills. Barge's environmental staff perform ecological services such as wetland delineations, stream determinations, endangered and threatened species surveys, and restoration and mitigation design and monitoring.

Exhibitor Directory

Bartlett Controls (715)

.....bartlettcontrols.com

Manufacturers representative

Beacon Environmental Services (323)

......beacon-usa.com

BEACON provides the highest quality soil gas and air monitoring data in the industry using time-integrated, sorbent samplers to collect samples over days or weeks. This advanced capability used throughout TN for the past 17 years enables our clients to collect more accurate data and win projects.

Blackhawk Technology Co (410)

...... blackhawkco.com

Blackhawk is the leading provider of reciprocating piston pumps for brownfield & groundwater remediation, recovery of coal tar. creosote, oil & other hydrocarbons, unknown chemicals. Top-headdrive motors & power at grade, safely & cleanly outside well/sump. Cost-effective pneumatics, electrics & solars pump any fluid at any angle, require less maintenance, non-polluting.

Bunnell-Lammons Engineering, Inc. (BLE) (830)

......blecorp.com Based in Greenville, SC with an office in Asheville, NC, BLE provides geotechnical, hydrogeological and construction CQA and testing services for solid waste landfills across the southeast. BLE provides a wide range of services for hydrogeologic siting evaluation, geotechnical engineering investigation, construction quality assurance, groundwater and landfill gas monitoring, groundwater quality statistical analysis, and storm water plans.

Blue Tank and Pump Rental (631)

...... bluetankandpump.com

Blue Tank and Pump Rental is more than just your rental company but your entire liquid solution. We provide liquid storage and transfer solutions for customers of all sizes, in all industries, and all processes with specific solutions designed to your specific needs. We provide the best equipment, best service and best people to provide the best, most economical solution to your liquid needs.

Caraustar Recycling (112)

...... caraustar.com

Caraustar Industries, Inc. is one of the largest integrated manufacturers of 100% recycled paperboard and converted paperboard products. Caraustar serves the four principal recycled boxboard product end-use markets. Our recycling division works with generators of cardboard and paper materials to supply our paper mills with a continuous stream of recycled fibers.

Cascade (618)

...... cascade-env.com

Cascade is the leading provider of environmental and infrastructure drilling, in situ remediation applications, and high resolution site characterization technologies. Our collaborative approach, high quality service, reliable crews, and leading safety program make Cascade the first choice in environmental services.

Chase Environmental Group (505)

......chaseenv.com

Environmental field services.

Groundwater remediation system construction/O & M; Bioremediation injection, dual phase extraction; monitoring well installation, direct push services, radiological decontamination and decommissioning.

Civil & Environmental Consultants, Inc. (605)

...... cecinc.com

CEC provides engineering and consulting services for the management and disposal of municipal, construction/demolition, residual, hazardous, and gas exploration wastes, as well as coal combustion residuals. Our environmental professionals have extensive experience with regulatory compliance and industry management practices.

Clarke Power Services (627)

......clarkepsi.com

Clarke Power Services is a commercial vehicle maintenance provider with an outstanding 50+ year track record of delivering value to the transportation and service industries. Clarke offers a comprehensive portfolio of services, or can customize solutions. Our commitment is to keep your assets working by delivering great service and to keep your equipment lifecycle costs on track.

Clean Earth, Inc. (419)

......cleanearthinc.com

Clean Earth is one of the largest specialty waste companies in the U.S. providing remediation, disposal, recycling, and beneficial reuse solutions for contaminated soil, dredged material, and hazardous and non-hazardous wastes. It is our unique capability of providing a one-source, full-service solution to handle multiple waste streams from a single customer that separates us from the competition.

Clean Harbors/Safety-Kleen (609-708)

.....cleanharbors.com

For more than 35 years, Clean Harbors has been providing comprehensive hazardous and non-hazardous waste management services to meet the needs of customers throughout North America. Leader in providing response services for environmental emergencies of any scale on land or water.

CMI Equipment Sales, Inc. (709)

......cmiequip.com

Providing equipment, parts and service to waste industry management for three decades.

CodePal Toolkit (811)

......codepaltoolkit.com

Codepal is a Mobile Inspection and Permit Software Solution. We are designed to fit your way of working by adapting easily to a variety of industry standards. We pride ourselves on partnering with our clients, working together as a team to provide solutions that fit your needs and ease your workload.

Company Wrench Ltd. (528 - equipment 532)

......companywrench.com

Company Wrench is a Heavy Equipment Sales, Rental, Service and Parts Company providing The Cutting Edge of Customer Service with a complete Dust Suppression product line. Our diesel selfcontained product is great for evaporation, dust, odor, fire control, alternative daily cover in many markets.

Consolidated Pipe & Supply (820)

.....www.consolidatedpipe.com

Consolidated Pipe & Supply Co. distributes pipe, valves, & fittings from 42 locations located in 20 states. We offer a full line of HDPE fittings, pipe, and fusion machines.



Center for Toxicology and Environmental Health, LLC (CTEH®) is a science-based environmental consulting firm established to provide toxicology and human health consulting. CTEH® provides highly technical and highly responsive professionals to evaluate and develop solutions to a wide variety of human health and environmental issues.

CTI Engineers, Inc. (414)

......ctiengr.com CTI Engineers, Inc., is an employee-owned consulting firm specializing in engineering services for waste management, water, wastewater, and site development. Organized in 1991 in Chattanooga, TN, with 15 employees, CTI now has over 50 employees and offices in three states, serving municipal, commercial, and industrial clients.

D&L Safety Services, LLC (321)

.....www.dandlsafetyservices.com D&L Safety Services, LLC is a professional safety contracting company providing on-site safety professionals qualified for the specific needs of our clients, as well as on-site safety training, throughout the united states.

Directional Technologies, Inc. (303)

......directionaltech.com Whether it is your first horizontal well installation, or you have experience with the technology, Directional Technologies, Inc. is here to help you exceed your clients' expectations. Our master drillers, geologists, and engineers have installed over 1,000 horizontal wells in the last 25 years, and we have successfully utilized horizontal directional drilling technology at many projects originally thought to be unfeasible. Visit us at booth #303.

EarthCon Consultants, Inc. (132)

..... earthcon.com Environmental Consulting, Engineering and Remediation

Eco Rental Solutions (832)

..... eco-rentalsolutions.com Eco Rental Solutions Rents & Sells field test installations

ECS Southeast, LLP (713)

......www.ecslimited.com ECS environmental services include providing clients with a comprehensive understanding of the environmental aspects of a project and their impact on overall project requirements. ECS also provides geotechnical, construction materials and facility services. For more information and office listings, visit: www.ecslimited.com.

EDR (311)

..... edrnet.com

Our mission is to promote the environmental consulting industry and fill the needs of environmental consultants and engineers; we are committed to the success of the industry. From our flagship Radius Map Report-which has been used in more than six million environmental due diligence investigations-to our Due Diligence at Dawn seminar series, to our time saving workflow technologies, EDR is dedicated to the environmental consulting industry.

ENERG3 (413)

...... enerG3.us EnerG3 develops energy projects in the industrial, commercial, and municipal sectors, that reduce operating expense with affordable efficiency solutions (lighting, HVAC, Solar, CHP, EV Charging, UPS). Not only do we consult, design, engineer, procure, and construct, but we also approach sustainability projects from a strong financial position and assist our customers with obtaining "free" capital in the form of federal and local incentives."

EnSafe Inc. (514)

...... ensafe.com Creative thinking, custom solutions - that's what EnSafe provides to both industry and government clients when it comes to EHS challenges. Our coast-to-coast professionals deliver environmental, engineering, health and safety and technology solutions for the toughest issues.

Enterprise Oil (405-504)enteroil.com

Enterprise Oil, est. 1984, is a family-owned and operated

used oil recycling company in the Southeast. We are flexible in our services, innovative in our solutions and committed to environmental sustainability by custom building programs to be the best solution for non-hazardous waste management needs including zero-landfill and industrial services.

Environmental Enterprises (828)

..... eeienv.com Environmental Enterprises Inc. (EEI) is a full service Treatment, Storage and Disposal facility. EEI was founded in 1976 to service the greater Cincinnati, OH area and has expanded to cover the east and southeast with service centers in PA and VA. EEI provides a full line of disposal services to a diverse clientele in industry, government and academia. Lab Packing, precious metals recovery, aerosol can disposal and hazmat removal are a few of our specialties.

Environmental Management Specialists, Inc. (213)

.....EMSonsite.com

EMS is a professional environmental contractor specializing in remediation, emergency response, and environmental services with service centers across the Midwest, Mid-Atlantic, South-Central United States, and beyond to serve our customers including transportation companies, energy companies, environmental consultants, industrial facilities, environmental service companies, general contractors, property owners, and the public sector.

Environmental Specialties International, Inc. (315)



..... esiliners.com With more than 2 billion square feet of installed geosynthetic lining materials and 2,000 projects completed throughout the United States, ESI is a leader in geosynthetic installation services for the solid waste industry.

Environmental Standards (409)

......envstd.com Environmental Standards, Inc. is a privately-held environmental consulting firm specializing in chemistry quality assurance, environmental analytical laboratory auditing, consulting geosciences, third-party field auditing, and information management. Local office in Knoxville, TN.

Environmental Risk Information Services (428)

.....erisinfo.com

Environmental Data For Properties in North America

Exhibitor Directory

ESC Lab Sciences (728)

..... esclabsciences.com ESC Lab Sciences, a subsidiary of Pace Analytical, is one of the

largest environmental analytical facilities in North America. ESC offers a full service analytical suite to meet our customers' diverse monitoring and characterization support needs including traditional soil, groundwater, wastewater, drinking water and TCLP along with air/vapor intrusion and radiochemistry.

ETEC, LLC (403)

.....etecllc.com

ETEC, LLC is a national provider of bio-focused remediation technologies that include soluble bioproducts and specialized recirculation equipment for soil and groundwater remediation.

Excel TSD of Tennessee, LLC (819)

.....exceltsd.com Hazardous Waste T/S/D/F

Frost Environmental Services, LLC (412)

..... frostenvironmental.com

We are a full service environmental consulting firm specializing in asbestos, lead based paint, indoor air quality, industrial hygiene services.

Gatlinburg Crafts (134-136)

gatlinburgcrafts.com

The Craft Booth will feature pottery from Fowler's Clayworks and McAvoy Pottery both functional and decorative. Also featured will be sterling silver, mixed metal, real gemstone, and pearl jewelry from Gabriel's Horn Jewelry.

GEL Geophysics (228)

.....gelgeophysics.com

GEL Geophysics, LLC provides subsurface utility engineering (SUE), land surveying, and geophysical services. With 6 offices and nearly 50 employees strategically located throughout the Southeast, we are able to accommodate any size project for both public and private sector clients throughout the United States.

Geo Lab Drilling (313)

...... geolabdrilling.com

Environmental Drilling

GeoSearch (511-610)

.....geo-search.com

GeoSearch provides customers with fast, accurate, constructive information to help assess and manage environmental risk. GeoSearch is a complete source for all environmental due diligence needs including ASTM Environmental Database Reports, Historic Aerials, City Directory Research, Fire Insurance Maps, Lien and Title Search Investigations and more all in one place.

Geosyntec Consultants (520)

...... geosyntec.com

Geosyntec Consultants is a consulting firm with engineers, geologist, environmental scientist, and other technical and project staff based in offices throughout the United States and at selected locations in Australia, Canada, Ireland, Malaysia, and the UK. We address new ventures and complex problems involving our environment, natural resources, and civil infrastructure.

Geo-Synthetics Systems (GSI)a Babcock Power Inc. company (703)

.....geo-synthetics.com In business for over 40 years, Geo-Synthetics Systems (GSI)- a Babcock Power Inc. company is a distributor, fabricator, and installer of geosynthetic materials for a broad range of erosion control and containment applications for landfill sites, construction sites, road construction projects and contaminated waterways.

Geotechnics, Inc. (727)

.....geotechnics.net

Geotechnics has been at the forefront of geotechnical and geosynthetic testing for over 30 years. In working with numerous consultants and engineers, Geotechnics understands the challenges associated with complex testing programs for Landfill Designs, Ash Storage Facilities, Dam Construction and more. CQA field services as well as electrical leak location services.

Golder Associates Inc. (822)

......golder.com

Golder is an environmental and engineering industry leader in ground engineering, soil/rock mechanics, and environmental services for mining, manufacturing, power, oil & gas, design and infrastructure industries. Golder has completed some of the largest and most complex environmental and geotechnical engineering projects in the Southeast.

GSE Environmental (203)

.....gseworld.com

GSE Environmental is a manufacturer of geosynthetic containment systems used in the waste management, mining, oil and gas, water and wastewater industries. Our HDPE-based products include geomembranes, geonets, geocomposites, GCLs, and geotextiles.

Hannah Solar (526)

.....hannahsolar.com

Hannah Solar is a full service, certified solar integrator and licensed electrical contractor dedicated to providing the very best in engineering, products, installation and servicing of solar arrays, battery storage systems, EV charging station equipment and backup generators.

Hawkston, LLC (615)

.....hawkston.com

Environmental Drilling Services

HEPACO, LLC (500)

.....hepaco.com HEPACO, LLC is a specialty Serious experience for serious times environmental contractor. Facility

Decontamination, Asbestos/Lead Abatement, Remediation Services, Hazardous Material/Labpack Services and Emergency Response clean-up are a few of the services we are proud to offer our present and future clients.

Heritage Environmental Services (602)

......heritage-enviro.com Heritage provides the best-in-class capabilities for all of your waste service needs, including emergency response, incineration, fuel blending, landfill, inorganic waste and wastewater treatment. recycling, transportation and data tracking. We are committed to continued customer service excellence and exceeding your expectations.

Highland Technical Services, Inc. (629)

htsienv.com Founded in 1998, Highland Technical Services, Inc., is a full service environmental and geosciences consulting firm. We have years of experience in anticipating, identifying, and addressing a wide range of concerns for clients across the United States. Our clients include, but are not limited to: foundries, hazardous waste generators, solid waste landfills, lending institutions, underground storage tank owners and state and local government entities.

Hole Products (508)

holeproducts.com

Hole Products is a global leader in providing high performance
drilling supplies, tools and equipment to the construction, direct
push, environmental, geotechnical, geothermal, HDD, mineral
exploration, rotary, sonic, and water well drilling industries. Check
out the drilling industry's leading ecommerce solution at
www.holeproducts.com

Innovative Environmental Technologies, Inc. (420-422)

IET-INC.net Innovative Environmental Technologies, Inc. (est. 1998) is a technology vendor and remedial contractor. IET holds 11 patented technologies that have been used in over 1800 remediation projects across the United States and Canada. IET also has an Environmental Drilling division with licenses in 15 states.

In-Situ, Inc. (109)

For 30 Years In-Situ, Inc. has been the leader in water level and quality datalogging sensors for landfill leachate, mining, aquifer characterization and remediation. We manufacture, sell, rent and long-term lease loggers, meters and remote monitoring systems for all your project needs.

Integrated Tech/Aquashield (807)

Integrated Technologies represents AquaShield water quality units, Lane HDPE, PP, and CMP and Cultec underground detention chambers. Call us for all your stormwater needs.

iSustain Inc (732)

.....isustainrecycling.com Solid/Liquid Waste & Recycling

Jerry White Magical Entertainment (131)

JWME has been providing quality environmental education in the southeast for more than 20 years



Jim's Tank Service, LLC (510)

jimstankservice.com Jim's Tank Service, LLC is celebrating 50 years of business. Services include Haz and Non-Haz transportation, emergency response (OSRO), industrial services, roll-off, oil recycling and wastewater treatment. We perform these services along with our sister companies, ATM Oil Co., Inc. an EPA

registered recycling facility and Wastewater Solutions, LLC, a permitted centralized waste water treatment plant.

K.S. Ware & Associates, LLC (519)

Kswarelic.com
K. S. Ware and Associates provides Geotechnical services,
Environmental Consulting, Construction Engineering and
Inspection, Special Inspections and Hazardous Materials consulting.
We support to A/E firms in the Transportation (highways and airports), Federal and Municipal Agency market segments.

Kenvirons, Inc. (920)

Kenvirons.com
Kenvirons is a Civil and Environmental Consulting Firm located in Frankfort, KY. Specializing in Solid Waste design, permitting, CQA, surveying, environmental monitoring, air permitting and air emissions testing. Other areas of expertise are water treatment systems and distribution, wastewater treatment systems, Phase I & II site assessments and SWP3 & SPCC Plan preparation.

LaBella Associates-Joyce Engineering (411)

Since 1983, Joyce has specialized exclusively in responsibly serving the solid waste industry for both public and private clients through engineering, environmental consulting, planning, permitting, and operational consulting and training. This year, JOYCE became a wholly owned subsidiary of LaBella Associates, DPC. JOYCE remains intact, and we are now part of a larger organization with even greater capabilities and geographic reach to serve our clients.

LDA Engineering (730)

Through our vision of Learn. Design. Act., we provide planning, engineering, and geospatial information services helping communities develop solutions for infrastructure, public services, and environmental enhancements to build Stronger. Happier. Communities.

Lee-Smith, Inc (726)

lee-smith.com
The Southeast's largest locally owned commercial truck dealer for international-Ford-Isuzu trucks.

Leidos (731)

Leidos.com
Leidos is a diversified consulting firm with offices across the
country and throughout Tennessee (Oak Ridge, Hendersonville,
Memphis and Livingston). Leidos routinely tackles some of our
nation's biggest civil and environmental issues with a focus on cost
effective customer support.

Leister Technologies (603)

Leister.com
Leister Technologies (www.leister.com) is the worldwide leader
in plastic welding and hot air equipment. Our products include
automatic welders, wedge welders, extrusion welders and testing
tools – everything a geomembrane installer might need.

Liberty Tire Recycling (804)

Liberty Tire Recycling is the premier provider of tire recycling services in the U.S. By reclaiming more than 33% of the nation's discarded tires, Liberty Tire annually transforms more than 140 million tires into raw materials for smart, sustainable products that improve people's lives. Liberty Tire is a revolutionary American conservation enterprise – from whole tire to end product.

Exhibitor Directory



ationwide Recycles of Salbs Ballasta, Salteries, & More

ighting Lighting Resources LLC (721)lightingresourcesinc.com Resources Recycler of Universal Waste Lamps, Batteries, E-Waste, Automotive Airbags/Seatbelts, and, Mercury Containing Equipment. We also provide

total destruction via Shredding of sensitive material (hard drives, data holding devices, and $OE\bar{M}$ parts). Nationwide coverage with processing and service locations in Johnson City, Nashville, and Memphis, TN and Kennesaw, GA.

Lion Technology Inc. (110)

.....Lion.com Lion Technology designs and delivers training to help industry professionals maintain compliance with Hazmat, Hazardous Waste, and Environmental Safety Regulations. Training includes classroom instruction; on-site programs; online courses; and live, instructorled webinars. Every student receives access to expert instructors, online regulation updates, exclusive resources, and more.

Lipscomb University (821)

.....sustainability.lipscomb.edu The Southeast's first comprehensive undergraduate and graduate program in sustainability, we equip leaders with business, natural and social science skills to create lasting solutions to modern environmental challenges. The Institute offers an MS in Sustainability (16 months), a Certificate of Graduate Studies in Sustainability (6 months), and Dual MS/MBA degrees (2 years)- on campus and online options available.

Lord and Winter (815)

......lordandwinter.com Lord and Winter is a team of professional environmental scientists serving in the mining, commercial/industrial development, and utility marketplaces by providing environmental permitting, environmental compliance, and environmental remediation services.

Marion Environmental, Inc. (918)

..... marionenv.com Marion Environmental, a full service environmental company, with offices in Chattanooga, Knoxville, Nashville, and Tri-Cities, TN, and in Dalton, Atlanta, Charlotte, and Birmingham. Marion's services include consulting, emergency response, industrial services, waste management, and transportation of hazardous and non-hazardous

McNeilus Companies (429 - equipment 433)

......mcneiluscompanies.com McNeilus Truck & Manufacturing is an industry leader in refuse truck bodies. Our product lineup gives you more options for rear-, side- and front-loading vehicles that fit your needs. McNeilus CNG also leads the way in alternative fuel systems and custom installations, plus a full-range of services and system support.

Mobile Mini Tank & Pump Solutions (604)

......www.mobilemini.com Mobile Mini Tank and Pump Solutions are providers of temporary liquid and solid storage solutions, pumps, and filtration systems. We also offer Transportation Services for Non Hazardous liquid/ solid materials or waste.

MTSU (720)

.....www.mtsu.edu/adcp Custom College Degrees for Water Professionals. You can: Design your own custom degree program; Finish your degree quickly by getting credit for your certifications, training, and military experience; Complete your degree completely online. Call (615) 494-7714.

Municipal Equipment, Inc. (705)

.....municipalequipmentinc.com Tennessee's new choice for refuse / recycling / compaction equipment from New Way, Galbreath, Marathon and Wastequip. Whether you want an automated side loader or on-site service we've got the reach.

NorthStar Contracting Group, Inc. (426)



......northstar.com NorthStar is the world's most comprehensive environmental

Assessment; Remediation and Restoration; Emergency and Disaster Response; Water Resource Management; Program and Project Management; Construction and Civil Engineering Services; and Asbestos Abatement, Demolition, and Facility Decommissioning.

Northstar Environmental Group, Inc. (308)

.....northstarenv.com Northstar has focused our expertise on a core group of service lines selected to address the needs of our clients. Our core environmental service lines are, Due Diligence Services; Environmental Compliance; Stormwater Management; Site Remediation; Phase II Investigations; Drone Services; Brownfield

Pace Analytical Services (729)

Redevelopment Services

.....pacelabs.com Pace provides environmental testing of inorganic, organic and radiochemistry capabilities—specializing in the analysis of trace level contaminants in air, water, wastewater, soil, biota and waste. Throughout our 38 year history, clients have benefited from our commitment to data quality, timely turnaround times, excellent service and fair pricing.

Parratt-Wolff, Inc. (129)

.....pwinc.com Safe, reliable, good communications on the job site, innovative - all words our clients use to describe our field teams. Parratt-Wolff provides quality drilling, well rehabilitation and direct imaging services to all states on the East Coast.

Patriot Recycling (401)

......patriotrecycling.co Patriot Recycling Inc. is a completely modern state of the art tire processing and recycling facility. We are proud to take scrap tires and turn them into beneficial end use tire derived products for power generation and use in infrastructure while promoting solutions for a cleaner environment.

Perma-Fix Environmental Services, Inc. (831)

......perma-fix.com

Perma-Fix Environmental Services, Inc. is a leading provider for the treatment, processing, and recycling of hazardous, nonhazardous, household hazardous, industrial, universal, medical/ pharmaceutical, and radioactive wastes. Following local, state, and Federal regulations, we offer a variety of services including SGQ/ CESQG collections, household hazardous waste mobile collections, fuels blending, and metals laden waste stabilization.

PeroxyChem (809)

......peroxychem.com/markets/environment/

soil-and-groundwater

PeroxyChem's proven in situ chemical oxidation (ISCO), in situ chemical reduction (ISCR), and bioremediation technologies promote rapid and cost-effective treatment of a wide range of organic compounds and heavy metals. We have treated millions of liters of groundwater and more than ten million metric tons of impacted soils, sediments, and industrial process wastes.

Pine Environmental (233)

......pine-environmental.com Environmental Monitoring, NDT-RVI, CEMs, PPE Supplies

Plastic Fusion Fabricators, Inc. (823)

plasticfusion.com

Geosynthetics, pipes, fabrications, installation

PM Environmental (722)

.....pmenv.com

PM Environmental, Inc. has over 25 years of experience in consulting and managing a wide variety of environmental, engineering, industrial hygiene, energy and development projects. Services include Risk Reviews, Transaction Screens, Phase I & II Environmental Site Assessments, Property Condition Assessments, Brownfield Redevelopment, and Underground Storage Tank Management.

Pointmap CAD & GIS Services (518)



......pointmap.com POINTMAP provides CAD & GIS services that support environmental professionals. We manage your drafting and mapping details, so you can focus on higher billable tasks and more projects - for greater profitability. Extend your team by incorporating ours!

Pratt Industries (202)

.....prattindustries.com Pratt Industries USA is the world's largest privately owned corrugated manufacturing company. Headquartered in Conyers, GA, we are a vertically integrated company with successful collection, processing and paper mill operations. Pratt consumes the paper derived from recycling programs and produces 100% recycled paper products at four modern mills here in the U.S.

Provectus Environmental (418)

......provectusenvironmental.com Provectus Environmental is a performance chemical provider to the soil and groundwater remediation industry. We specialize in the development and global commercialization of next-generation, synergistic in situ chemical reduction (ISCR), in situ chemical oxidation (ISCO), and bioremediation technologies. Our proprietary remedial technologies represent the safest, most effective, and most cost-efficient solutions available.

Questar Solutions (330)

......questarusa.com

For over 25 years, Questar has been the leading single-source provider of UN rated Performance Oriented Packaging to the waste and industrial industry. Questar operates from 10 strategically located national warehouses to ensure our clients receive the highest level of service.

Ramboll (620)

ramboll.com

Ramboll is a leading engineering, design and consultancy company. Our globally recognized Environment & Health practice has earned a reputation for technical and scientific excellence, innovation and client service. We strive to achieve inspiring and exacting solutions that make a genuine difference to our clients, end-users and society at large.

Raven CLI (802)

ravenind.com

Raven is a vertically-integrated full-service solutions provider of targeted products for the geosynthetics industry as a world-class manufacturer of advanced geomembranes, and design-build custom fabrication. We incorporate the latest technology to develop sustainable solutions that directly address hazardous containment, and promote stewardship in cleanup and redevelopment of environmentally impaired sites.

Republic Services, Inc. (600)

.....republicservices.com



RES (111)

RES is the largest dedicated provider of ecological solutions in the United States, providing high-quality, client-centric solutions. In total, we have reduced 250+ tons of nutrients; restored 290+ miles of stream, 58,024 acres of wetlands, and 9,100 acres of species habitats; and planted over 14 million trees.

RKI Instruments, Inc. (521)

.....rkiinstruments.com RKI Instruments is an innovative gas detection company offering portable and fixed systems gas detection instruments. RKI is showing the latest in VOC gas monitoring. The GX-6000 is a 6 gas portable detector with the capability of monitoring with 2 different PID sensors in one instrument including benzene specific mode.

Rockwood Recycling (810)

.....rockwoodrecycling.com Rockwood recycling is a company that focuses on wood recycling, shingle recycling, and tire recycling. Rockwood also has expanded into contract grinding and working with gasification and waste-toenergy projects.

S&ME, Inc. (327)

...... smeinc.com S&ME delivers common sense consulting services that create economic value for our clients. Our environmental professionals are focused on safely providing technically excellent services, governed by unquestioned integrity, and aimed at cost-effectively accomplishing our clients' objectives.

Stevens Environmental Consulting (229)

.....stevensenvironmental.com Excellence in EHS services, providing value through strategies you can trust

SEFA processes and markets environmentally sustainable products derived from fly ash for the concrete industry, recycling over 20 million tons of fly ash in the last 30 years. We are an integral part of some of the country's most successful coal ash recycling programs. SEFA is making a positive impact by cleaning up coal ash from ponds and removing it from the environment permanently.

SEMS, Inc. (710)

.....semsinc.net

Environmental Consulting and Industrial Services

Skytec LLC (423)

......skytecllc.com Skytec is an ISNetworld qualified, professional UAV company that provides data collection and analysis, data management, and consultation services. Our turn-key operation is available to professional service firms and site owners anywhere in the world.

Smith Gardner, Inc. (801)

......smithgardnerinc.com S+G is one of the nation's leading firms in the solid waste and environmental consulting industry. We incorporate our three 3R Strategy - Resource Management, Recovery and Remediation to optimize life cycle project benefits and deliver cost-effective, innovative solutions.

Southern Environmental Services (805)

..... southernenvironmentalservices.net **Environmental ER-Testing-Tank Removals**

Specialty Earth Sciences, LLC (714)

..... sesciences.com Specialty Earth Sciences, LLC is the developer of SOCORE: Sustained Oxidation and Controlled Oxidant Release Encapsulants. SOCORE technology provides long term (on the order of years) reactive zones for plume reduction as well as interception of migrating contaminant frontal boundaries. SOCORE is ideally suited for sites with active operations or low permeability soils.

Stantec (814)

......stantec.com At Stantec, our work—professional consulting in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics—begins at the intersection of community, creativity, and client relationships. Stantec makes a long-term commitment to the people and places we serve.

Stringfellow Inc. (329 - equipment 333)

......stringfellow.bz Since 1934, Stringfellow, Inc. has provided Tennessee with the best refuse equipment available, HEIL, Gal-Fab, Pac-Mac, Toter... all to make collection and recycling more efficient and safer! Great Service, Great Equipment, and YOU! What a team!

SWS Environmental Services (503)

......www.swses.com

SWS Environmental Services has over 30 years of experience with government and industry customers. Emergency response, industrial services, waste management, and remediation teams are available throughout the United States 24/7/365 through our Response Hotline - 877-742-4215



TANA North America by HUMDINGER (718)

......humdingerequipment.com

Compactors - Shredders - Trommels - Compost Turners

tarpARMOR (332 - equipment 137)



.....tarparmor.com tarpARMOR TDS by Southwestern Sales, a higher form of protection: Save airspace; Protect your

investment; Maximize tarp coverage; Minimize installation time; Improve performance in wind; High quality fabrics and construction; Patented technology.

Tarpomatic, Inc. (204)

.....tarpomatic.com

Tarpomatic manufactures an automatic tarping machine designed for deployment and retrieval of alternate daily cover tarps over the active working face of landfills. Our machines have proven the test of time and extreme conditions for over 20 years. We are the only company that employs a removable arbor system, so only one machine is needed for even the largest of landfills.

TDEC - Remediation (210)

.....tn.gov/environment/remediation The Division of Remediation identifies and investigates hazardous substance sites, then uses practical and effective remedies to stabilize, remediate, contain, monitor and maintain these sites. These efforts minimize threats to public health, safety, and the environment.

TDEC Regulatory Staff (100-102)

Environment &tn.gov/environment **Conservation** TDEC's technical staff is on site and wants

to meet you! Come by our booth to find just the right person to discuss your unique questions or comments and pick up your 100% recycled, Made in the USA conference tote bag, sponsored by our Office of Policy & Sustainable Practices.

TDEC Small Business Environmental Assistance Program (829)

.....tn.gov/environment/sbeap The SBEAP is a non-regulatory program within TDEC. Its purpose is to provide free, confidential, technical environmental assistance to small businesses for all their environmental questions.

TDOT Highway Beautification Office (104)

.....nobodytrashestennessee.com TDOT staff from the Highway Beautification Office is on site and wants to meet you! Come by our booth and see what we're doing to combat litter, from the Adopt-A-Highway Program to our new litter prevention campaign, Nobody Trashes Tennessee! Bring your questions and be sure to pick-up a free car litter bag, so that you can help us keep Tennessee roadways litter free!

TenCate Geosynthetics (704)

.....tencategeo.us TenCate Geosynthetics is the global leader in geosynthetics. Our geogrids and geotextiles are engineered with advanced application knowledge to meet project specifications for transportation construction, mechanically stabilized earth, erosion control, and water and waste management.

Tennessee Tech University (108)

......tntech.edu/is/ses/psm Tennessee Tech's School of Environmental Studies

Terracon (312)

terracon.com

Terracon provides practical solutions to environmental, facilities, geotechnical and materials engineering challenges. With more than 140 offices nationwide, we provide local expertise backed up by national resources to achieve project success on time and on budget.

Tersus Environmental (302)

.....tersusenv.com

Tersus Environmental researches, develops, and commercializes innovative soil and groundwater remediation solutions through university and professional relationships in order to meet the increasing technological demands at contaminated sites. Our proven technologies help our clients reduce uncertainty, minimize risks, and achieve cost-effective results.

TestAmerica Laboratories (415)

......TestAmericainc.com TestAmerica Laboratories, Inc. has developed an unprecedented combination of resources, experience and testing capabilities, with more than 2,000 industry professionals. TestAmerica focuses on refining methods that address current environmental issues and developing new solutions for challenges that the market and our clients anticipate facing in the future.

Tetra Tech (613)

tetratech.com Tetra Tech is a leading, global provider of consulting and engineering services. We are differentiated by Leading with Science® to provide innovative technical solutions to global commercial and government clients. With more than 16,000 associates worldwide, Tetra Tech provides clear solutions to complex problems.

The Peterbilt Store North Georgia (633 equipment 632 & 637)

...... thepetestore.com

Peterbilt North American Dealer of the Year (2004 and 2016) The Pete Store is network of Peterbilt truck dealerships spanning the Eastern US. Through our exclusive Peterbilt dealerships we offer sales of new and pre-owned trucks, truck parts, body shops, and truck service. The Pete Store is a respected dealer in the transportation industry with a track record for quality support.

Tioga Environmental Consultants, Inc (611)

.....tiogaenv.com Tioga, based in Memphis, specializes in environmental regulatory compliance for manufacturing and industrial facilities; assessments such as Phase I, II, NEPA etc.; remediation (DCERP and UST Certified); hazardous building material assessments (lead, asbestos and other hazards); industrial hygiene and safety services and natural resource investigations (wetlands).

TIS Insurance Services, Inc. (827)

......TISINS.com

Insurance Broker

Titan Environmental USA (408)

.....titanenviro.com

Titan Environmental USA specializes in prefabricated geomembranes for a variety of environmental containment projects. Working with a range of materials we

are your one-stop-shop for specialty product and custom panel fabrication. Contact us at 1-713-849-1311 or info@titanenviro.com

TN Recycling Coalition (812)

.....tennesseerecyclingcoalition.org The Tennessee Recycling Coalition is a non-profit organization dedicated to promoting recycling and sustainable materials management practices in the state of Tennessee. TRC's annual conference will be held August 12-14, 2018 at Marriott's Franklin Cool Springs.

TN State Parks (103)

.....tnstateparks.com State Parks preserve and protect the unique natural, cultural and historic resources of our TENNESSEE state. Learn more about Harrison Bay State Park, State Parks whose signature Jack Nicklaus designed Bear Trace golf course hosted our Golf Tournament on Tuesday!

TN Volunteer Chapter of SWANA (813)

.....swanachapters.org/tennessee

TN SWANA is a group of solid waste professionals who are committed to advancing the practice of economically and environmentally sound solid waste management in Tennessee.

TPM Group (106)

tpm-group.com

TPM Group is a full service environmental and emergency spill response contractor with offices located in Bowling Green, KY and Nashville, TN. Our personal are strategically located to ensure a prompt response to service requests throughout the Southeastern United States. TPM also owns a fleet of vacuum trucks, operates a solidification facility in Auburn KY and performs stormwater quality BMP / SCM inspections, cleanings and restorations.

Tradebe Environmental Services (328)

.....tradebeusa.com

TRADEBE provides safe, quality, innovative environmental services that contribute to sustainable development and innovative solutions to ensure the appropriate assessment, treatment and elimination of wastes. As a global business dedicated to sustainable waste management, we seek the greenest waste solutions possible with a priority on recycling and recovery.

TriAD Environmental Consultants, Inc. (723)

triadenv.com TriAD Environmental Consultants, Inc., provides innovative, costeffective solutions to environmental problems. Our expertise includes solid/hazardous waste management, RCRA/CERCLA permitting/remediation, hydrogeologic investigations, storm water management, hydrologic determinations, compliance assistance, SPCC Plan preparation, and environmental assessments.

Tricon Precast LTD (309)

.....triconprecast.com

Precast Concrete Manufacturer

Tri-State Drilling - Chattanooga (621)

A small business providing professional drilling services based in Chattanooga TN. (Nashville & Knoxville) Providing services in southeastern United States. Services include Geotechnical, Environmental, Mineral Investigation and Water Resources. Services in a Safe and Timely Manner.

TTL, Inc. (205)

......ttlusa.com For more than 50 years, TTL's staff of over 350 technical and professional personnel across seven different offices has worked with clients nationwide. We currently serve the following markets: Analytical Lab Testing, Construction Materials Testing, Industrial, Energy, Transportation, Geotechnical Engineering, Environmental Consulting and Civil Engineering Design.

Exhibitor Directory

UA SafeState (712)

..... alabamasafestate.ua.edu

UA SafeState Environmental Programs provides environmental training, compliance assistance, and sustainability support for industrial, commercial, residential and municipal environments.

US Ecology (719)

usecology.com

US Ecology is a leading provider of environmental service offering treatment, disposal and recycling of hazardous and radioactive waste, and complementary field and industrial services. For over 63 years, US Ecology has provided hazardous and non-hazardous waste treatment, RCRA/TSCA disposal. Services include ER, industrial cleaning, lab packing, remediation and transportation.

Valicor Environmental Services, LLC (209)

Industrial Waste Water Treatment & Oil Recycling

Vapor Pin Enterprises, Inc. (319)

......Vaporpin.com

The Vapor Pin® a unique, patented, re-usable sampling device, and has a variety of applications, including sub-slab soil-gas sampling, de-pressurization studies/testing, stray gas evaluations, source area characterization, Pilot testing and mitigation progress monitoring. The Vapor Pin® allows you to collect quality, low-cost samples within minutes. Plus, it's made in the USA.

Veolia (421)

.....veoliaes.com

Waste Connections of Tennessee, Inc. (922)

WCNX.org Waste Connections of Tennessee, Inc. is a fully integrated solid waste services company. We service commercial, industrial and residential trash and recycling customers, operating Class I landfills and transfer stations.

Waste Industries (402)

Waste Industries maintains an industry-leading approach to sustainable waste practices through efficient management of its resources and early adoption of technology. Through technologies such as our compressed natural gas fleets, our state of the art Diesel Hydraulic-Hybrid vehicles, and our gas to energy facilities at our Sampson County landfill, Waste Industries holds true to its mission of ongoing sustainable efforts in local communities.

Waste Management (523-622)

....wm.com

Waste Management is the leading provider of comprehensive waste management and environmental services in North America, serving residential, commercial, industrial, and municipal customers. We offer a broad portfolio of environmental solutions. Our subsidiaries provide collection, transfer, recycling and resource recovery, and disposal services, and we are a leading developer, operator and owner of landfill gas-to-energy facilities in the US.

Watershed Geo (113-212)

Watershed geo.com Watershed geo is a geosynthetics company specializing in erosion control, soil stabilization and waste containment technologies that are sustainable, low-cost and engineered to handle extreme weather. Watershed's products include ClosureTurf®, a final

landfill closure system, VersaCap®, an intermediate landfill cover and HydroTurf®, an engineered revetment armoring system for storm water applications.

Waypoint Analytical (623)

Waypoint analytical.com Waypoint Analytical believes scientifically sound, legally defensible analytical data is the most critical element for the success of an environmental project. We provide a superior standard of service, operate with an unwavering commitment to quality and our clients, provide services that follow the entire life cycle of a project, and utilize the latest and best technology for each project

WestRock (501)

Www.westrock.com/recycling WestRock Recycling & Waste Services is one of the largest integrated recyclers and non-landfill based waste consolidators in North America. We offer our customers solutions for their waste and recycling needs through customized programs dedicated to meeting sustainability goals, increasing recycling rates and decreasing waste costs.

WiSE (230)

WiSE is an affinity group comprised primarily of women with science or engineering degrees, or working in science or engineering positions. Our focus is to provide mentoring and networking opportunities for women with degrees or positions in science or engineering and to impact the awareness of young women and girls regarding science and engineering as professions.

Wood Environment & Infrastructure Solutions (619)

Woodplc.com Wood is a global leader in the delivery of project, engineering and technical services to energy and industrial markets. We operate in more than 60 countries employing around 55,000 people. We provide performance-driven solutions throughout the asset lifecycle, from concept to decommissioning across a broad range of industrial markets.

Worldwide Equipment INC (803)

......thetruckpeople.com

Our municipal specialists can provide trucks for all applications. Mack, Volvo, Kenworth, and Hino chassis are available. Exclusive NJPA financing! Make sure to ask about our Municipal Rotation Auction Program! Let us help you write your specs!

Worobey Transport Inc. (WTI) (839 - equipment 641)

Wti-tank.com WTI offers a wide range of rental equipment for the environmental services sector. Frac tanks, sealed rolloffs, vacuum boxes, and dewatering boxes are a few of the products we offer to insure our client's success.

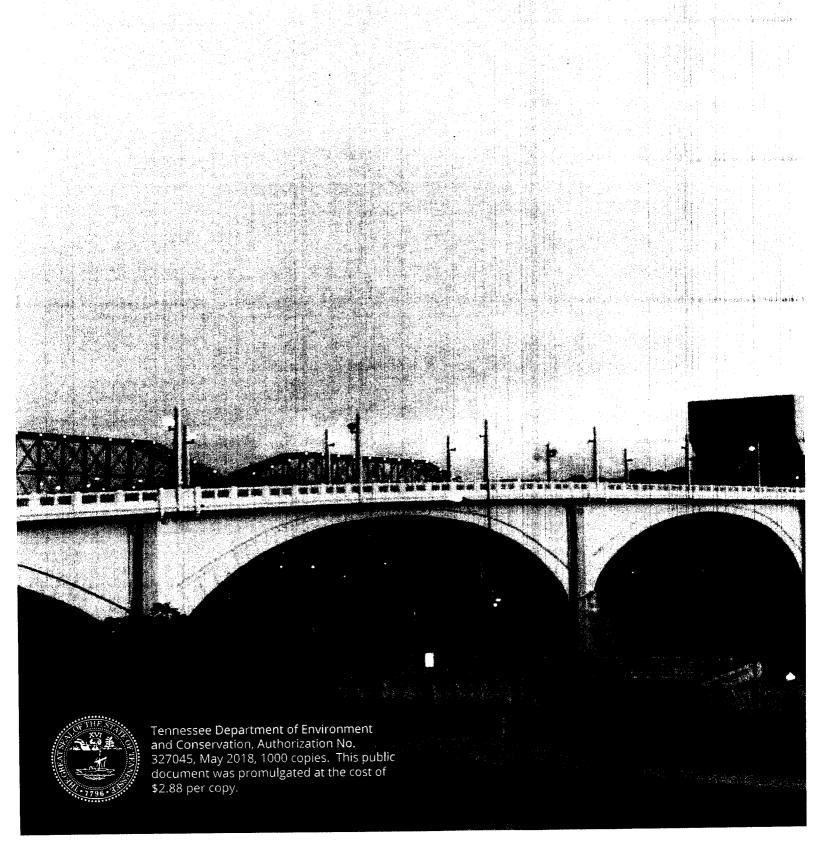
Wright Brothers Contracting, Inc. (427)

WRIGHT BROTHERS CONSTRUCTION COMPANY, INC

RIGHT
Over the past thirty years
Wright Brothers has been constructing landfills for both private owners and public municipalities. We

understand the standards and specialized grading techniques that are required to construct landfills. Wright Brothers has proven time and time again that we can deliver a quality product while exceeding our client's expectations.

Exhibitors



Environmental Show of the South and Southside Chattanooga Lead Site Tour Chattanooga, Tennessee May 15-16, 2018

Additional Region 4 Staff:

Name	Telephone #	Transportation
Brandi Jenkins	(404) 702-9239	Bryan will drive the GOV
Bryan Myers	(678) 488-2330	
Carol Monell	(404) 307-3782	· ·

M&IE \$96.00

5/15/2018

\$48.00

5/16/2018

\$48.00

Tuesday, May 15, 2018

DRIVE POV:

Leave: Atlanta approximately 4:45 pm

Arrive: Chattanooga, Tennessee approximately 6:45 pm

Distance: 115 Miles 1 hour and 41 mins

Hotel:

Chattanooga Marriott Downtown

Two Carter Plaza

Chattanooga, Tennessee 37402

Phone: (423) 756-0002

Check-in: Tuesday, May 14th after 3 pm Check-out: Wednesday, May 15th by Noon

1 King Bed

Confirmation Number: 90143605

On-Site daily parking: Self Parking \$11.00/Valet \$15.00

7:00 pm

Dinner at Alleia

25 East Main Street

Chattanooga, Tennessee 37408

Environmental Show of the South and Southside Chattanooga Lead Site Tour Chattanooga, Tennessee May 15-16, 2018

Wednesday, May 16, 2018

Bryan will provide transportation in GOV

9:35 am - 10:20 am

Keynote Speaker Environmental Show of the South

Chattanooga Convention Center

1150 Carter Street

Chattanooga, Tennessee 27402

1:00 pm - 2:30 pm

Southside Chattanooga Lead Site Tour

Intersection of East 16th Street and Jefferson

EPA Attendees:

Trey Glenn – Regional Administrator
Brandi Jenkins – Special Assistant to the RA
Bryan Myers – R4 Government Liaison
Franklin Hill – SF Division's Director
Robenson Joseph – R4 SF Remedial Project Manager

TDEC Attendees:

Shari Meghreblian, Commissioner

City of Chattanooga Attendees:

Mayor Andy Berke

Approximately 2:45 pm depart for hotel to pick up POV

Approximately 3:00 depart for Atlanta, Georgia

For travel issue contact: EPA Travel (513) 487-2346

PPA/PPG Priority Alignment Meeting with Kentucky

EPA Region 4/Atlanta Sam Nunn Atlanta Federal Center 14th Floor West, RA Conference Room 61 Forsyth Street, Atlanta, GA 30303 (Call-in number 1-202-991-0477 Code (b)(6)

Tuesday, May 15, 2018 2:00 p.m. – 3:15 p.m. EST

AGENDA

2:00 p.m. Opening Remarks

- Onis "Trey" Glenn, Region 4 Administrator
- Aaron Keatley, Commissioner

2:10 p.m. Highlights and Feedback from 2018 Regional PPA/PPG Process

- Onis "Trey" Glenn, Region 4 Administrator
- Aaron Keatley, Commissioner

2:25 p.m. High Level Priority Discussion

- Onis "Trey" Glenn, Region 4 Administrator
- Aaron Keatley, Commissioner

3:00 p.m. 2019 Process and Timeline - Ken Lapierre, Assistant Regional Administrator

FY 2019 Timeline	
High level priority alignment meeting/call with Kentucky	May 15th
Region to share PPG work plan template with State using SharePoint	June
State to submit PPG application (without final work plan)	August
 Work plan negotiations State to submit draft FY19 PPG work plan in SharePoint (August) Region reviews state work plan comments (August) State notified to respond to EPA comments in SharePoint (September) State to submit final draft work plan to EPA for approval (September) 	August- September
State/programs notified that the work plan is approved in SharePoint	October
State to submit signed work plan	October
Signed work plan is routed for RA signature	October

3:10 p.m. Closing Remarks - Onis "Trey" Glenn, Region 4 Administrator

3:15 p.m. Meeting Adjourned

May 28, 2018 -June 3, 2018

May 2018	June 2018	
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	

Monday, May 28

- **** 12:00pm 12:30pm Biweekly Meeting with Directors: Beverly Banister** (RA's Small Conference Room) Glenn, Trey
 - 12:30pm 1:00pm OPA/OCIR/OPEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy
- 2:00pm 3:00pm Copy: Senior Staff Meeting (Alm Room) -Adm14Pruitt, Scott ::
- **3:30pm 4:00pm Biweekly Meeting with Director: Franklin Hill** (RA's Small Conference) Glenn, Trey

Tuesday, May 29

Mississippi Compliance Meeting (Jackson, MS) - Glenn, Trey

- 🏙 10:52am Travel Itinerary
- 1:00pm 5:00pm Mississippi State Compliance Assurance Meeting (515 E Amite St, Jackson, MS 39201) - Hudson, Wanda

2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC - North New call in #: 202-991-0477 Conference Code: (b)(6) - Grantham, Nancy:

3:00pm - 3:30pm APTMD Staff Meeting (12B: Call in number 404-562-9990. Access Code (b)(6) - Banister, Beverly:

3:15pm - 4:30pm Environmental Justice and Community

Revitalization Council (EJCRC) (WJCN5530 and VTC; 202-991-0477, code (b)(6) - Tejada, Matthew

Wednesday, May 30

SF Site Tour/Meeting with Elected Officials (Grenada, MS) - Glenn, Trey

- 9:30am 10:15am Meet with Joey Songy (550 High Street Jackson, MS 39205) Glenn, Trey
- 12:30pm 4:30pm Grenada Tour and Meeting Glenn, Trey
 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs
 (New Conference Line # 202-991-0477 Conference ID: (b)(6)
 Grantham, Nancy

Thursday, May 31

Farmer to Farmer Press Event (Clarksdale, MS) - Hudson, Wanda

- **10:00am 2:30pm South Carolina State Compliance Assurance**Meeting (2600 Bull Street, Columbia, SC 29201) Glenn, Trey
 - 10:30am 11:30am Business Roundtable Glenn, Trey
 - 12:45pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy
- 1:30pm 3:45pm Farm to Farm Press Event Glenn, Trey 3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) -Richardson, RobinH ○

Friday, June 1

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12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

Saturday, June 2

Sunday, June 3

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AGENCY:

ENVIRONMENTAL PROTECTION AGENCY (EPA)

TITLE:

Gulf of Mexico Program Farmer to Farmer Cooperative Agreements

ACTION:

Request for Proposals (RFP)

RFP NUMBER:

EPA-GM-2017-FARMER

CATALOG OF FEDERAL DOMESTIC ASSISTANCE (CFDA) NO: 66.475

DATES: Proposal packages must be submitted electronically to EPA through Grants.gov (http://www.grants.gov) no later than September 22th at 11:59 EDT in order to be considered for funding.

SUMMARY: This notice announces the availability of funds and solicits proposals to improve water quality, habitat and environmental education through the demonstration of improved crop or land management involving new, novel, or experimental technologies, methods, approaches or techniques. The project is designed to support farmer-led organizations in the Mississippi River watershed.

FUNDING/AWARDS: The total estimated funding for this competitive opportunity is approximately \$2 million. EPA anticipates awarding two grants from this announcement, subject to availability of funds.

Tentative Timeline

August 10th	RFP Posted
August 24th	Initial Q&A posted at https://www.epa.gov/gmpo/ . Please submit questions to GMP-RFP@epa.gov . Q&A will be updated weekly with new questions received.
September 22 nd	Proposals Due to the Gulf of Mexico Program at 11:59pm EDT
October 31st	EPA Issues Notice of Tentative Award
January 26th	EPA Funds Approved Application Package

The above lines (other than the proposal submission date) are anticipated dates and subject to change.

CONTENTS BY SECTION

- I. Funding Opportunity Description
- II. Award Information
- III. Eligibility Information
- IV. Proposal and Submission Information
- V. Proposal Review Information
- VI. Award Administration Information
- VII. Agency Contacts

I. FUNDING OPPORTUNITY DESCRIPTION

A. Background

The Gulf of Mexico Program (GMP) is a non-regulatory program of the U.S. Environmental Protection Agency (EPA) founded to facilitate collaborative actions to protect, maintain, and restore the health and productivity of the Gulf of Mexico in ways consistent with the economic well-being of the Region. To carry out its mission, GMP continues to maintain and expand partnerships with State and Federal agencies, federally recognized tribes, local governments and authorities, academia, regional business and industry, agricultural and environmental organizations, and individual citizens and communities. For more information, please see https://www.epa.gov/gulfofmexico.

B. Scope of Work

EPA will award funds to improve water quality, habitat and environmental education in the Mississippi River Basin. This project will support farmer-led organizations with a proven track record of implementing demonstration projects through outreach with area farmers and obtaining measureable results, including improved water quality and/or an increase in farmer to farmer education and outreach. Demonstration projects must entail novel or innovative techniques, methods, or approaches that should collect data on the results of each approach and provide results to the landowner to inform future farming decisions and to better understand (or ground truth) how different management practices affect water quality and quantity, yields and farming costs. Applicants will be asked to demonstrate how these funds will be leveraged to improve the reach of the project. This project will be considered successful if farmers demonstrate and inspire other farmers to implement similar management changes. Applicants should demonstrate a successful history of working with farmers to implement novel or innovative demonstration projects with results.

The project must also include at least one of the following outputs:

Water Quality Improvement:

• The project must demonstrate a minimum of 5% improvement in at least one water quality parameter in a water body and/or segment by the end of the project period as compared to the initial baseline. Examples of water quality parameters that could be demonstrated in a water quality improvement project include but are not limited to: dissolved oxygen, pH, turbidity, bacteria, nutrients, temperature, and garbage/trash (e.g. trash traps; cleanups coupled with prevention outreach; implementing creative prevention methods).

Protect, Enhance or Restore Habitat

Identify the expected number of habitat acres that will be enhanced, restored and/or protected and
provide a report at the end of project period of the actual number of acres enhanced, restored,
and/or protected.

Only projects that take place in HUC 07 (Upper Mississippi) and HUC 08 (Lower Mississippi) will be considered. The agency intends to fund one project in the Upper Mississippi (HUC 07) and one in the Lower Mississippi (HUC 08).

Please also identify the six-digit or eight-digit Hydrologic Unit Code(s) (HUC) in which activities will occur.

- C. EPA Strategic Plan Linkage & Anticipated Outcomes, Outputs & Performance Measures Pursuant to Section 6a of EPA Order 5700.7, "Environmental Results under EPA Assistance Agreements," EPA must link proposed assistance agreements to the Agency's Strategic Plan. EPA also requires that grant applicants and recipients adequately describe environmental outputs and outcomes to be achieved under assistance agreements (see EPA Order 5700.7, Environmental Results under Assistance Agreements, http://www.epa.gov/ogd/grants/award/5700.7.pdf).
 - 1. Linkage to EPA Strategic Plan. All proposals must support progress towards the following EPA 2014-2018 Strategic Plan Goals:
 - a) Goal 2: Protecting America's Waters. "Objective 2.2: Protect and Restore Watersheds and Aquatic Ecosystems," which states "protect, restore, and sustain the quality of rivers, lakes, streams, and wetlands on a watershed basis, and sustainably manage and protect coastal and ocean resources and ecosystems."
 - b) Cross Agency Strategy: Working Toward a Sustainable Future, which states, "expand the conversation on environmentalism by engaging and empowering stakeholders, including groups with which EPA has not traditionally worked, using multiple forms of outreach, collaboration, and information."

Please read EPA's FY 2014-2018 Strategic Plan for more information.

Outputs. The term "output" means an environmental activity, effort, and/or associated work product related to an environmental goal and objective that will be produced or provided over a period of time or by a specified date. Outputs may be quantitative or qualitative but must be measurable during an assistance agreement funding period. Progress reports and a final report will also be a required output for every project, as specified in Section VI(C) of this announcement, "Reporting Requirement." The project must include at least one of the outputs stated in Section IB, above.

Additionally, the project must account for the number of expected audiences and/or individuals to be served. The recipient must track and report the actual number of individuals reached and method applied.

- 2. Outcomes. The term "outcome" means the result, effect or consequence that will occur from carrying out an environmental program or activity that is related to an environmental or programmatic goal or objective. Outcomes may be qualitative and environmental, behavioral, health-related, or programmatic in nature, but must also be quantitative.
- 3. Additional information regarding EPA's definition of environmental results in terms of "outputs" and "outcomes" can be found at: https://www.epa.gov/grants/linking-assistance-agreements-environmental-results. For a logic model of environmental outputs and outcomes, please see the following: https://www.epa.gov/sites/production/files/documents/draft-envresults-forsfbaywebsite-revisedszdrfinal.pdf.
- 4. **Project Performance.** During preparation of the proposal, the applicant should consider the following questions in order to develop output and/or outcome measures which document project results:
- i) What are the measureable short term and longer term results that the project will achieve?
- ii) How will the applicant measure progress in achieving the expected and measureable results?

D. Supplementary Information.

The statutory authority for this action is the Clean Water Act, §104(b)(3), which authorizes the award of cooperative agreements to conduct and promote the coordination and acceleration of research, investigations, experiments, training, demonstrations, surveys and studies relating to the causes, effects, extent, prevention, reduction, and elimination of pollution. Demonstrations must involve new or experimental technologies, methods, or approaches, where the results of the project will be disseminated so that others can benefit from the knowledge gained in the demonstration project. A project that is accomplished through the performance of routine, traditional, or established practices, or a project that is simply intended to carry out a task rather than transfer information or advance the state of knowledge, however worthwhile the project might be, is not a demonstration.

II. AWARD INFORMATION

A. What is the amount of funding available?

The total estimated funding expected to be available for awards under this competitive funding opportunity is approximately \$2.0 million.

B. How many agreements will EPA award in this competition?

EPA anticipates awarding two grants under this announcement, with each award being no more than \$1,000,000 subject to the availability of funds, quality of evaluated proposals, and other applicable considerations.

In addition, EPA reserves the right to make additional awards under this announcement, consistent with Agency policy, if additional funding becomes available after the original selections. Any additional selections for awards will be made no later than six months from the date of the original selections.

C. Partial Funding

In appropriate circumstances, EPA reserves the right to partially fund proposals by funding discrete portions or phases of proposed projects. If EPA decides to partially fund a proposal, it will do so in a manner that does not prejudice any applicant or affect the basis upon which the proposal was evaluated and selected for award and therefore maintains the integrity of the competition and selection process.

D. What is the project period for awards resulting from this solicitation?

The estimated project period for awards resulting from this solicitation will begin in Calendar Year 2018. Proposed project periods may be up to three years.

E. Funding Type

The funding for selected projects will be in the form of a cooperative agreement. Cooperative agreements permit substantial involvement between the EPA Project Officer and the selected applicants in the performance of the work supported. Although EPA will negotiate precise terms and conditions relating to substantial involvement as part of the award process, the anticipated substantial Federal involvement for this project will be:

- close monitoring of the successful applicant's performance to verify the results proposed by the applicant;
- collaboration during performance of the scope of work;
- in accordance with 2 CFR 317 and 2 CFR 318, review of proposed procurement;
- approving qualifications of key personnel (EPA will not select employees or contractors employed by the award recipient);
- review and comment on reports prepared under the cooperative agreement (the final decision on the content of reports rests with the recipient).

III. ELIGIBILITY INFORMATION

A. Eligible Entities

The following entities are eligible to apply for funding under this announcement unless restricted by the authorizing statute(s); State and local governments, interstate agencies, Tribes, colleges and universities, and other public or non-profit organizations.

Non-profit organization, as defined by 2 CFR Part 200, means any corporation, trust, association, cooperative or other organization that: (1) is operated primarily for scientific, educational, service, charitable or similar purposes in the public interest; (2) is not organized primarily for profit; and (3) uses its net proceeds to maintain, improve and/or expand its operations. Note that 2 CFR Part 200 specifically excludes the following types of organizations from the definition of "non-profit organization" because they are separately defined in the regulation: (i) institutions of higher education; and (ii) state, local and federally-recognized Indian tribal governments. While not considered to be a "non-profit organization(s)" as defined by 2 CFR Part 200, Institutions of Higher Education and state, local and federally-recognized Indian tribal governments are, nevertheless, eligible to submit applications under this RFA. Hospitals operated by state, tribal, or local governments or that meet the definition of nonprofit at 2 CFR 200.70 are also eligible to apply. For-profit colleges, universities, trade schools, and hospitals are ineligible.

For-profit organizations are <u>not</u> an eligible entity for this funding opportunity. Additionally, non-profit organizations described in Section 501(c)(4) of the Internal Revenue Code that engage in lobbying activities as defined in Section 3 of the Lobbying Disclosure Act of 1995 are not eligible to apply.

B. Cost Sharing or Matching

No matching funds are required under this competition. Although cost-sharing/matching is not required as a condition of eligibility under this competition, under Section V of this announcement EPA will evaluate proposals based on a leveraging criterion.

Leveraging is generally when an applicant proposes to provide its own additional funds/resources or those from third party sources to support or complement the project they are awarded under the competition which are above and beyond the EPA grant funds awarded. Any leveraged funds/resources, and their source, must be identified in the proposal (See Section IV of the announcement). Leveraged funds and resources may take various forms as noted below.

- --Voluntary cost share is a form of leveraging. Voluntary cost sharing is when an applicant voluntarily proposes to legally commit to provide costs or contributions to support the project when a cost share is not required. Applicants who propose to use a voluntary cost share must include the costs or contributions for the voluntary cost share in the project budget on the SF-424. If an applicant proposes a voluntary cost share, the following apply:
 - A voluntary cost share is subject to the match provisions in the grant regulations (2 CFR 200.306).
 - A voluntary cost share may only be met with eligible and allowable costs.

- The recipient may not use other sources of federal funds to meet a voluntary cost share unless the statute authorizing the other federal funding provides that the federal funds may be used to meet a cost share requirement on a federal grant.
- The recipient is legally obligated to meet any proposed voluntary cost share that is included in the approved project budget. If the proposed voluntary cost share does not materialize during grant performance, then EPA may reconsider the legitimacy of the award and/or take other appropriate action as authorized by 2 CFR 200.

--Other leveraged funding/resources that are not identified as a voluntary cost share. This form of leveraging may be met by funding from another federal grant, from an applicant's own resources, or resources from other third party sources. This form of leveraging should not be included in the budget and the costs need not be eligible and allowable project costs under the EPA assistance agreement. While this form of leveraging should not be included in the budget, the grant workplan should include a statement indicating that the applicant is expected to produce the proposed leveraging consistent with the terms of the announcement and the applicant's proposal. If applicants propose to provide this form of leveraging, EPA expects them to make the effort to secure the leveraged resources described in their proposals. If the proposed leveraging does not materialize during grant performance, then EPA may reconsider the legitimacy of the award and/or take other appropriate action as authorized by 2 CFR Parts 200 or 1500.

C. Threshold Eligibility Criteria

These are requirements that if not met by the time of proposal submission will result in elimination of the proposal from consideration for funding. Only proposals from eligible entities (see above) that meet all of these criteria will be evaluated against the ranking factors in Section V of this announcement. Applicants deemed ineligible for funding consideration as a result of the threshold eligibility review will be notified within 15 calendar days of the ineligibility determination.

- 1. Substantial Compliance: Proposals must substantially comply with the proposal submission instructions and requirements set forth in Section IV of this announcement or else they will be rejected. However, where a page limit is expressed in Section IV with respect to the narrative proposal, pages in excess of the page limitation will not be reviewed.
- 2. Proposal Submission: In addition, proposals must be submitted through Grants.gov as stated in Section IV of this announcement (except in the limited circumstances where another mode of submission is specifically allowed for as explained in Section IV) on or before the proposal submission deadline published in Section IV of this announcement. Applicants are responsible for following the submission instructions in Section IV of this announcement to ensure that their proposal is timely submitted.
- 3. EPA Strategic Plan: Proposals must support the EPA Strategic Goals identified in Section I.C.

- 4. **Program Relevance:** Proposals must provide farmer to farmer novel or innovative demonstration and education to be considered.
- 5. **Program outputs:** Proposals must demonstrate how the project meets at least one of the outputs in Section I.B. If the project does not address at least one of the outputs listed in I.B. it will not be considered.
- 6. Geographic Location: Proposals must only include projects carried out in either HUC 07 or HUC 08, as identified in Section 1.B. Proposals that include projects outside of HUC 07 or 08, or include projects in both HUCs, will not be considered. Applicants that wish to apply for projects in both HUCs must submit separate proposals for each HUC.

IV. PROPOSAL AND SUBMISSION INFORMATION

A. Requirement to Submit Through Grants.gov and Limited Exception Procedures

Applicants, except as noted below, must apply electronically through Grants.gov under this funding opportunity based on the grants.gov instructions in this announcement. If an applicant does not have the technical capability to apply electronically through grants.gov because of limited or no internet access which prevents them from being able to upload the required application materials to Grants.gov, the applicant must contact OGDWaivers@epa.gov or the address listed below in writing (e.g., by hard copy, email) at least 15 calendar days prior to the submission deadline under this announcement to request approval to submit their application materials through an alternate method.

Mailing Address:
OGD Waivers
c/o Barbara Perkins
USEPA Headquarters
William Jefferson Clinton Building
1200 Pennsylvania Ave., N. W.
Mail Code: 3903R
Washington, DC 20460

Courier Address:
OGD Waivers
c/o Barbara Perkins
Ronald Reagan Building
1300 Pennsylvania Ave., N.W.
Rm # 51267
Washington, DC 20004

In the request, the applicant must include the following information:

- Funding Opportunity Number (FON)
- Organization Name and DUNS
- Organization's Contact Information (email address and phone number)
- Explanation of how they lack the technical capability to apply electronically through Grants.gov because of 1) limited internet access or 2) no internet access which prevents them from being able to upload the required application materials through Grants.gov.

EPA will only consider alternate submission exception requests based on the two reasons stated above and will timely respond to the request -- all other requests will be denied. If an alternate submission method is approved, the applicant will receive documentation of this approval and further instructions on how to apply under this announcement. Applicants will be required to submit the documentation of approval with any initial application submitted under the alternative method. In addition, any submittal through an alternative method must comply with all applicable requirements and deadlines in the announcement including the submission deadline and requirements regarding proposal content and page limits (although the documentation of approval of an alternate submission method will not count against any page limits).

If an exception is granted, it is valid for submissions to EPA for the remainder of the entire calendar year in which the exception was approved and can be used to justify alternative submission methods for application submissions made through December 31 of the calendar year in which the exception was approved (e.g., if the exception was approved on March 1, 2017, it is valid for any competitive or non-competitive application submission to EPA through December 31, 2017). Applicants need only request an exception once in a calendar year and all exceptions will expire on December 31 of that calendar year. Applicants must request a new exception from required electronic submission through Grants.gov for submissions for any succeeding calendar year. For example, if there is a competitive opportunity issued on December 1, 2017 with a submission deadline of January 15, 2018, the applicant would need a new exception to submit through alternative methods beginning January 1, 2018.

Please note that the process described in this section is only for requesting alternate submission methods. All other inquiries about this announcement must be directed to the Agency Contact listed in Section VII of the announcement. Queries or requests submitted to the email address identified above for any reason other than to request an alternate submission method will not be acknowledged or answered.

B. Submission Instructions

The electronic submission of your application must be made by an official representative of your institution who is registered with Grants.gov and is authorized to sign applications for Federal assistance. For more information on the registration requirements that must be completed in order to submit an application through grants.gov, go to Grants.gov and click on "Applicants" on the top of the page and then go to the "Get Registered" link on the page. If your organization is not currently registered with Grants.gov, please encourage your office to designate an Authorized Organization Representative (AOR) and ask that individual to begin the registration process as soon as possible.

Please note that the registration process also requires that your organization have a DUNS number and a current registration with the System for Award Management (SAM) and the process of obtaining both could take a month or more. Applicants must ensure that all registration requirements are met in order to apply for this opportunity through grants.gov and should ensure that all such requirements have been met well in advance of the submission deadline. Registration on grants.gov, SAM.gov, and DUNS number assignment is FREE.

Applicants need to ensure that the AOR who submits the application through Grants.gov and whose DUNS number is listed on the application is an AOR for the applicant listed on the application. Additionally, the DUNS number listed on the application must be registered to the applicant organization's SAM account. If not, the application may be deemed ineligible.

To begin the application process under this grant announcement, go to Grants.gov and click on "Applicants" on the top of the page and then "Apply for Grants" from the dropdown menu and then follow the instructions accordingly. Please note: To apply through grants.gov, you must use Adobe Reader software and download the compatible Adobe Reader version. For more information about Adobe Reader, to verify compatibility, or to download the free software, please visit Adobe Reader Compatibility Information on Grants.gov

You may also be able to access the application package for this announcement by searching for the opportunity on Grants.gov. Go to Grants.gov and then click on "Search Grants" at the top of the page and enter the Funding Opportunity Number, EPA-GM-2017-FARMER, or the CFDA number that applies to the announcement (CFDA 66.475), in the appropriate field and click the Search button.

Please note that Grants.gov is strongly encouraging users to sign up for and use their "Workspace" feature when applying for opportunities. Grants.gov will be phasing out the "legacy" application process, so EPA recommends that all applicants begin using Workspace as soon as possible so they are prepared when the "legacy" application process is no longer available. Please see the following link and instructional video for training and additional information regarding the "Workspace" feature: https://www.grants.gov/web/grants/applicants/applicant-tools-and-tips.html

Application Submission Deadline: Your organization's AOR must submit your complete application package electronically to EPA through Grants.gov no later than September 22th, 2017 at 11:59 pm EDT. Please allow for enough time to successfully submit your application process and allow for unexpected errors that may require you to resubmit.

Please submit all of the application materials described below using the grants.gov application package that you downloaded using the instructions above. For additional instructions on completing and submitting the electronic application package, click on the "Show Instructions" tab that is accessible within the application package itself.

Application Materials

The following forms and documents are required under this announcement:

Mandatory Documents:

- 1. Application for Federal Assistance (SF-424)
- 2. Budget Information for Non-Construction Programs (SF-424A)
- 3. Assurances for Non-Construction Programs (SF-424B)
- 4. Narrative Proposal (Project Narrative Attachment Form)-prepared as described in Section IV of the announcement

Applications submitted through grants.gov will be time and date stamped electronically. Applicants should confirm EPA receipt of their proposal with an email to gmp-rfp@epa.gov as soon as possible after the submission deadline, but no later than within 15 days of the application deadline. Failure to do so may result in your application not being reviewed.

C. Technical Issues With Submission

- 1. Once the application package has been completed, the "Submit" button should be enabled. If the "Submit" button is not active, please call Grants.gov for assistance at 1-800-518-4726. Applicants who are outside the U.S. at the time of submittal and are not able to access the toll-free number may reach a Grants.gov representative by calling 606-545-5035. Applicants should save the completed application package with two different file names before providing it to the AOR to avoid having to re-create the package should submission problems be experienced or a revised application needs to be submitted.
- 2. Submitting the application. The application package must be transferred to Grants.gov by an AOR. The AOR should close all other software before attempting to submit the application package. Click the "submit" button of the application package. Your Internet browser will launch and a sign-in page will appear. Note: Minor problems are not uncommon with transfers to Grants.gov. It is essential to allow sufficient time to ensure that your application is submitted to Grants.gov BEFORE the due date identified in Section IV of the solicitation. The Grants.gov support desk operates 24 hours a day, seven days a week, except Federal Holidays. A successful transfer will end with an on-screen acknowledgement. For documentation purposes, print or screen capture this acknowledgement. If a submission problem occurs, reboot the computer turning the power off may be necessary and re-attempt the submission.
 Note: Grants.gov issues a "case number" upon a request for assistance.
- 3. Transmission Difficulties. If transmission difficulties that result in a late transmission, no transmission, or rejection of the transmitted application are experienced, and following the above instructions do not resolve the problem so that the application is submitted to Grants.gov by the deadline date and time, follow the guidance below. The Agency will make a decision concerning acceptance of each late submission on a case-by-case basis. All emails, as described below, are to be sent to GMP-RFP@epa.gov with the FON in the subject line. If you are unable to email, contact Rachel Houge at 228-304-7441. Be aware that EPA will only consider accepting applications that were unable to transmit due to Grants.gov or relevant www.Sam.gov system issues or for

unforeseen exigent circumstances, such as extreme weather interfering with internet access. Failure of an applicant to submit timely because they did not properly or timely register in SAM.gov or Grants.gov is not an acceptable reason to justify acceptance of a late submittal.

- a. If you are experiencing problems resulting in an inability to upload the application to Grants.gov, it is essential to call Grants.gov for assistance at 1-800-518-4726 before the application deadline. Applicants who are outside the U.S. at the time of submittal and are not able to access the toll-free number may reach a Grants.gov representative by calling 606-545-5035. **Be sure to obtain a case number from Grants.gov.** If the problems stem from unforeseen exigent circumstances unrelated to Grants.gov, such as extreme weather interfering with internet access, contact GMP-RFP@epa.gov.
- b. Unsuccessful transfer of the application package: If a successful transfer of the application cannot be accomplished even with assistance from Grants.gov due to electronic submission system issues or unforeseen exigent circumstances, and you have already attempted to resolve the issue by contacting Grants.gov, send an email message to GMP-RFP@epa.gov prior to the application deadline. The email message must document the problem and include the Grants.gov case number as well as the entire application in PDF format as an attachment.
- c. Grants.gov rejection of the application package: If a notification is received from Grants.gov stating that the application has been rejected for reasons other than late submittal and it is too late to reapply, promptly send an email to GMP-RFP@epa.gov with the FON in the subject line within one business day of the closing date of this solicitation. The email should include any materials provided by Grants.gov and attach the entire application in PDF format.

Please note that successful submission through Grants.gov or via email does not necessarily mean your application is eligible for award.

D. Content of Proposal Submission

The proposal package *must* include all of the following materials:

☐Standard Form (SF) 424, Application for Federal Assistance

Complete the form (available at https://www.epa.gov/grants/epa-grantee-forms. For form instructions see, https://www.grants.gov/web/grants/form-instructions/sf-424-instructions.html
Please be sure to include organization email address in Block 5 of the Standard Form SF 424.

Please note that the organizational Dun and Bradstreet (D&B) Data Universal Number System (DUNS) number must be included on the SF-424. Organizations may obtain a DUNS number at no cost by calling the toll-free DUNS number request line at 1-866-705-5711.

Standard Form (SF) 424A, Budget Information

Complete the form (available at https://www.epa.gov/grants/epa-grantee-forms). For form instructions see, https://www.grants.gov/web/grants/form-instructions/sf-424a-instructions.html.

Standard Form (SF) 424B, Assurances for non-construction forms

Complete the form (available at https://www.epa.gov/grants/epa-grantee-forms).

Narrative Proposal (See Appendix B Narrative and Budget Sample)

The Narrative Proposal (sections 1-3 below) <u>cannot</u> exceed a maximum of ten single-spaced typewritten pages. EPA recommends that proposals be in 12-point font or larger and readability is of paramount importance. Supporting materials, such as resumes, can be submitted as attachments and are not included in the ten-page limit.

1) Proposal Information Page (one page only - included in ten-page limit)

- a) Project Title
- b) Applicant Information. Include applicant (organization) name, address, contact person, phone number, fax, e-mail address and DUNS number.
- c) Total Project Cost. Specify total cost of the project, percentage of funds requested from EPA, percentage of leveraged funds (if applicable).
- d) Briefly describe how your project meets following EPA Strategic Goal (Protecting America's Waters and Cross Agency Strategy: Working Toward a Sustainable Future, See Section I.C for more information)
- e) Project Description. Please summarize your project.
- f) Measurable Outputs. Provide a brief description of the major outputs of your project.
- g) Place of Performance. Please identify the regional as well as the six-digit or eight-digit HUC where your project will take place.
- h) Project period. Provide anticipated project start date and anticipated project completion date.

2) Narrative Proposal (included in ten-page limit)

The narrative proposal must explicitly describe how the proposed project meets the guidelines established in Sections I-III of this announcement (including the threshold eligibility criteria in Section III.C), and must address each of the evaluation criteria set forth in Section V.

a) Project Description/Approach: The summary shall contain the following components:

- i. Detailed project information, description of specific actions and methods to be undertaken and the responsible institutions, including estimated time line for each task. Enough detail should be provided to assess project success without requiring more information from applicant.
- ii. Explanation of project benefits to the public, and specifically the potential audience(s) served.
- iii. Describe your organization's history and experience with implementing demonstration projects through outreach with area partners and identify how it will contribute to project success and ongoing implementation beyond the grant period. Provide letters of support (which do not count towards the page limit) or other documentation to support that track record.

For awards under this competition that are expected to exceed \$200,000 in federal funding <u>AND</u> involve the generation or use of environmental data, please provide a statement acknowledging 1) your need to demonstrate competency prior to beginning work and 2) your understanding that a Quality Management Plan (QMP) and/or a Quality Assurance Project Plan (QAPP) may be required. Please see the following link for more information:

https://www.epa.gov/measurements/documents-about-measurement-competency-under-assistance-agreements

b) Environmental Results-Outcomes, Outputs and Project Performance

Identify the expected quantitative and qualitative outcomes and outputs of the project (See Section I), including what timeline of milestones, or other means will be used to track and measure your progress towards achieving the expected outcomes and outputs and how the results of the project will be evaluated. Outputs such as semi-annual and final reports and other deliverables should also be included.

It is expected that the description of project performance will include the following:

- Target numbers associated with the outputs and how the project will support achieving them
- oversight of project partners, subgrantees, and/or contractors and vendors;
- tracking and reporting actual accomplishments versus proposed outputs/outcomes and proposed timelines/milestones;

c) Applicant Capability and Past Performance

i. Submit a list of federally and/or non-federally funded assistance agreements (assistance agreements include federal grants and cooperative agreements but not federal contracts) similar in size, scope and relevance to the proposed project that your organization performed within the last three years (no more than 5 agreements and preferably EPA agreements), and describe how you were technically able to successfully complete and manage those agreements. For the grants listed above, also describe your history of meeting the reporting requirements under those agreements, including whether you timely reported progress towards achieving the expected outputs and outcomes of those agreements (and if not, explain why not) and whether you submitted acceptable final technical reports.

Note: In evaluating applicants under these factors in Section V, EPA will consider the information provided by the applicant and may also consider relevant information from other sources, including information from EPA files and from current/prior grantors (e.g., to verify and/or supplement the information provided by the applicant). If you do not have any relevant or available past performance or past reporting information, please indicate this in the proposal and you will receive a neutral score for

these factors (a neutral score is half of the total points available in a subset of possible points). If you do not provide any response for these items, you will receive a score of 0 for these factors.

- ii. Organizational and staff experience- Provide information on your organizational experience and plan for timely and successfully achieving the objectives of the proposed project and provide information on your staff expertise/qualifications, staff knowledge, and resources or the ability to obtain them, to successfully achieve the goals of the proposed project.
- d) Leveraging: Demonstrate how you will coordinate the use of EPA funding with other Federal and/or non-Federal sources of funds/resources to leverage additional resources beyond the grant funds awarded to carry out the proposed project(s) and/or that EPA funding will complement activities relevant to the proposed project(s) carried out by the applicant with other sources of funds or resources. Describe the type and amount of leveraging proposed, how you will obtain the leveraged resources, the likelihood the leveraging will materialize during grant performance, the strength of the leveraging commitment, and the role the leveraged funds/resources will play in the overall project. Selected applicants are expected to abide by their proposed leveraging commitments during grant performance and the failure to do so may affect the legitimacy of the award.

e) Expenditure of Awarded Funds

Please identify the approach and controls in place in your organization to ensure that awards are expended in a timely and efficient manner.

3) Detailed Budget Narrative (included in 10-page limit)

Note: The indirect cost rate assessed by organizations will be considered in the evaluation of budget narrative.

- a. Description of the budget and estimated funding amounts for each work component/task which should include an approximation of the cost allocated for each major activity over the project's expected timeline and describe the project budget by categories (e.g. Personnel, Fringe, Travel, Equipment, Supplies, Contractual). Budget resources necessary for completing a Quality Assurance Project Plan (QAPP), if applicable, sharing project information broadly, and reporting progress, are expected to be included.
- b. Applicants must itemize costs related to personnel, fringe benefits, contractual costs, travel, equipment, supplies, other direct costs, indirect costs, and total costs. There are several guidelines used for federal budgets. Page 8-11 of this EPA presentation provides an overview of budget categories and links to the cost principles EPA utilizes. If you want to hear audio of the presentation, please go here.
- 4) Attachments. These are <u>not included</u> in the ten-page limit.

- a. <u>Letters of Support</u> Please attach letters of support or other documentation necessary to identify prior success with farmer to farmer demonstration projects and to support leveraging commitments.
- b. <u>Biographical Sketch</u> (optional will not be considered during evaluation). If desired, provide biographical sketch of Principal Investigators and/or any other key personnel.
- c. If applicable, approval letter to use alternate means to submit initial application.

E. Submission Dates and Times

The closing date and time for submission of proposals is September 22th, 11:59 p.m., Eastern Time (ET). Proposals submitted after the closing date and time will not be considered for funding.

F. Additional Provisions For Applicants Incorporated Into The Solicitation

Additional provisions that apply to this solicitation and/or awards made under this solicitation, including but not limited to those related to confidential business information, contracts and subawards under grants, and proposal assistance and communications, can be found at https://www.epa.gov/grants/epa-solicitation-clauses. These, and the other provisions that can be found at the website link, are important, and applicants must review them when preparing proposals for this solicitation. If you are unable to access these provisions electronically at the website above, please communicate with the EPA contact listed in this solicitation to obtain the provisions.

V. APPLICATION REVIEW INFORMATION

Only eligible entities whose proposals meet the threshold criteria in Section III of this announcement will be reviewed according to the evaluation criterion set forth below. Applicants should explicitly address these criteria as part of their proposal package submittal. Each proposal will be rated under a points system, with a total of 100 points possible.

A. Evaluation Criteria

Criteria	Points
1. Project Description/Approach:	
Under this criterion, proposals will be evaluated using the following factors:	•
i. (20 pts) the quality to which the project narrative addresses activities in Section I.B, the	40
relevance or importance of the project (including how the project will benefit the Gulf of	
Mexico region); and, how the project specifically supports EPA Strategic Goals (see Section I.	
C.).	
ii. (20 pts) the extent to which the proposal contains sufficiently detailed information on	
the project approach including, but not limited to, details on the "how and when", the	
applicant's ability to perform the proposal work; and, demonstrates a successful history of	
working with farmers to implement demonstration projects with results. Letters of support or	
other documentation will be considered under this evaluation criterion	
2. Environmental Results—Outcomes, Outputs and Performance Measures:	
Under this criterion, proposals will be evaluated using the following factors:	
i. (10 pts) The extent to which the proposal clearly defines outputs throughout the project	30
timeframe	
ii. (10 pts) The extent to which the proposal clearly describes results that are specific,	
quantified and significant for at least one of the outputs listed in Section I.B.	
iii. (10 pts) The extent to which the proposal demonstrates an effective plan for tracking and	
measuring progress toward achieving expected project outputs and outcomes, including a	
detailed written narrative plan identifying partner responsibilities and a tracking tool (such as a	
milestone or GANTT chart)	
3. Applicant Capability and Past Performance	
Under this criterion, proposals will be evaluated based on the applicant's:	
• past performance in successfully completing and managing the assistance agreements	
identified in the proposal narrative as described in Section IV.D.c.of the announcement. (3	
pts)	
• history of meeting the reporting requirements under the assistance agreements identified in	
the proposal narrative as described in Section IV.D.c of the announcement including	
whether the applicant submitted acceptable final technical reports under those agreements	
and the extent to which the applicant adequately and timely reported on their progress	10
towards achieving the expected outputs and outcomes under those agreements and if such	, 20
progress was not being made whether the applicant adequately reported why not. (2 pts)	
1 6 man with the same with the same appropriate and deductory reported with the same same appropriate and deductory reported with the same same appropriate and deductory reported with the same same appropriate and deductory reported with the same same appropriate and deductory reported with the same same appropriate and deductory reported with the same same appropriate and deductory reported with the same same appropriate and deductory reported with the same same appropriate and deductory reported with the same same appropriate and deductory reported with the same same same same same same same sam	

• organizational experience and plan for timely and successfully achieving the objectives of the proposed project and staff expertise/qualifications, staff knowledge, and resources or the ability to obtain them, to successfully achieve the goals of the proposed project. (5 pts) Note: In evaluating applicants under the first two items of this criterion, EPA will consider the information provided by the applicant and may also consider relevant information from other sources including agency files and/or prior/current grantors (e.g., to verify and/or supplement the information supplied by the applicant). If you do not have any relevant or available past performance or reporting information, please indicate this in the proposal and you will receive a neutral score for these subfactors (the first two items above-a neutral score is half of the total points available in a subset of possible points). If you do not provide any response for these	
items, you will receive a score of 0 for these factors.	
 4. <u>Budget</u>: Under this criterion, proposals will be evaluated based on the applicant's: level of detailed budget information provided in a narrative and table format as described in Section IV. (7 pts) 	10
 the extent to which the project costs and the various components are cost-effective and reasonable in furthering future implementation of similar activities. (3 pts) Note: The indirect cost rate assessed by organizations will be considered in the evaluation of 	
budget summary	
5. Leveraging: Under this criterion, applicants will be evaluated based on the extent they demonstrate how they will coordinate the use of EPA funding with other Federal and/or non-Federal sources of funds/resources to leverage additional resources beyond the grant funds awarded to carry out the proposed project(s). Applicants will also be evaluated based on the type and amount of leveraging proposed, how the applicant will obtain the leveraged resources, the likelihood the leveraging will materialize during grant performance, the strength of the leveraging commitment, and the role the leveraged resources will play to support the proposed project activities. Letters of support or other documentation will be considered under this evaluation criterion	5
5. Expenditure of Awarded Funds: Under this criterion, applicants will be evaluated based	5
on their approach and the controls proposed to ensure that awarded funds are expended in a timely and efficient manner.	,

B. Review and Selection Process

Proposals will first be evaluated against the threshold factors listed in Section III. Only those proposals which meet all of the threshold factors will be evaluated using the evaluation criteria listed above. Proposals meeting the threshold criteria will be evaluated by an EPA Gulf of Mexico Review Panel. The Review Panel will consist of EPA staff and may also include representatives from other Federal agencies. The panel will score and rank the eligible proposals using the evaluation criteria identified in Section V.A. Each proposal will be given a numerical score and will be rank-ordered according to the numerical score and geographic location. The agency will fund one grant in the Upper Mississippi River

Basin and one in the Lower Mississippi River Basin (as identified in Section I.B). Preliminary funding recommendations will be provided to the Selection Official based on this ranking.

C. Other Factors

Final funding decisions will be made by the Selection Official based on the rankings and preliminary recommendations of the evaluation team. In making the final funding decisions, the Selection Official may also consider programmatic priorities, funding availability and geographic diversity of funds.

D. Additional Provisions For Applicants Incorporated Into The Solicitation: Additional provisions that apply to this solicitation and/or awards made under this solicitation including the clause on Reporting and Use of Information Concerning Recipient Integrity and Performance can be found on the EPA Solicitation Clauses page. These, and the other provisions that can be found at the website link, are important, and applicants must review them when preparing proposals for this solicitation. If you are unable to access these provisions electronically at the website above, please communicate with the EPA contact listed in this solicitation to obtain the provisions.

VI. AWARD ADMINISTRATION INFORMATION

A. Award Notices

Following evaluation of proposals, all applicants will be notified regarding their status.

Proposal Notifications (allow for review time, usually 45-60 days after closing date)

- 1. EPA anticipates notification to successful applicants will be made via e-mail. The notification will be sent to the original signer of the proposal or the project contact listed in the proposal. This notification, which informs the applicant that its proposal has been selected and is being recommended for award, is not an authorization to begin work. The official notification of an award will be made by the Region 4 Grants Management Officer. Applicants are cautioned that only a grants officer is authorized to bind the Government to the expenditure of funds; selection does not guarantee an award will be made. For example, statutory authorization, funding or other issues discovered during the award process may affect the ability of EPA to make an award to an applicant. The award notice, signed by an EPA grants officer, is the authorizing document and will be provided through electronic or postal mail. The successful applicant may need to prepare and submit additional documents and forms (e.g., narrative), which must be approved by EPA, before the grant can officially be awarded. The time between notification of selection and award of a grant can take up to 90 days or longer.
- 2. EPA anticipates notification to unsuccessful applicant(s) will be made via email or postal mail. The notification will be made to the original signer of the Standard Form (SF) 424, Application for Federal Assistance.

B. Administrative and National Policy Requirement

A listing and description of general EPA Regulations applicable to the award of assistance agreements may be viewed at: https://www.epa.gov/grants/policy-regulations-and-guidance-epa-grants

C. Reporting Requirement

Semi-annual progress reports and a detailed final technical report will be required. Semi-annual reports summarizing technical progress, planned activities for the next half of the year and a summary of expenditures are required. The final technical report shall be completed within 90 calendar days of the completion of the period of performance. The final technical report should include: summary of the project or activity, advances achieved, and costs of the project or activity. In addition, the final technical report should discuss the problems, successes, and lessons learned from the project or activity that could help overcome structural, organizational or technical obstacles to implementing a similar project elsewhere. The schedule for submission of semi-annual reports will be established by EPA, after award.

D. Disputes

Assistance agreement competition-related disputes will be resolved in accordance with the dispute resolution procedures published in 70 FR (Federal Register) 3629, 3630 (January 26, 2005) which can be found at https://www.epa.gov/grants/grant-competition-dispute-resolution-procedures. Copies of these procedures may also be requested by contacting Gerry Martin at martin.gerry@gmail.com.

E. Additional Provisions For Applicants Incorporated Into The Solicitation

Additional provisions that apply to this solicitation and/or awards made under this solicitation, including but not limited to those related to DUNS, SAM, copyrights, disputes, and administrative capability, can be found at https://www.epa.gov/grants/epa-solicitation-clauses.. These, and the other provisions that can be found at the website link, are important, and applicants must review them when preparing proposals for this solicitation. If you are unable to access these provisions electronically at the website above, please communicate with the EPA contact listed in this solicitation to obtain the provisions.

VII. AGENCY CONTACTS

For further information, contact:

U.S. Environmental Protection Agency Gulf of Mexico Program ATTN: Rachel Houge 2510 14th Street – Suite 1212 Gulfport, MS 39501 GMP-RFP@epa.gov

Please send all questions to gmp-rfp@epa.gov. Initial questions and answers will be posted at the GMP home page https://www.epa.gov/gmpo/ by August 24th and will be updated weekly as new questions are received.







By way of accessing and/or utilizing any of our services, you acknowledge that your personal data will be used in accordance with BCD's <u>Global Privacy Policy</u>.



Jackson, Mississippi, United States

Passenger

ASHBEE BLAKE M

Agency Record Locator

RHB8QK

Reference number by traveler

TAA05WV8

Tra	avel Sum	mary			
Date	From/To	Flight/Vendor	Status	Depart/Arrive	Class/Type
05/29/2018	ATL-JAN	DL 1504	Confirmed	10:52 AM/11:13 AM	Economy/Y
05/31/2018	MEM-ATL	DL 1778	Confirmed	05:50 PM/08:19 PM	Economy/L

Delta Air Lines DL1504

Airline Record Locator HL58CA Loyalty Number XXXX749843

ATL

1 h 21 min 340 miles 547,06 kilometers **JAN**

Jackson-Evers Jackson, Mississippi, United States

Hartsfield-Jackson ATL Atlanta, Georgia, United <mark>States</mark>

Departure

Tuesday May 39 2018

10:52 AM

Terminal South

Seat

15D (Non smoking) Confirmed

> Economy Confirmed

Arrival Tu**esd**ay May 29 2018

11:13 AM

★ CG2 Emissions: 149.6 lbs/68 kgs Non-stop Equipment: Boeing 717-200

Notes:

NO AISLE OR WINDOW SEATS AVAILABLE
A CENTER SEAT HAS BEEN ASSIGNED
WE WILL CONTINUE TO MONITOR UNTIL DEPARTURE
FOR UP TO DATE TRAVEL INFORMATION ON AIRLINE
CHECK-IN/RESTRICTIOMS/LIMITATIONS/SECURITY.
PLEASE CHECK WWW.DELTA.COM

Delta Air Lines DL1778

Airline Record Locator **HL58CA**Loyalty Number XXXX749843

MEM

1 h 29 min 331 miles 532.579 kilometers ATL

Hartsfield-Jackson ATL

Atlanta, Georgia. United States

Memphis International Airport Memphis, Tennessee, United States

Departure

Thursday May 31 2018

5:50 PM

Seat

18D (Non smoking)
Confirmed

Economy Confirmed Arrival Thursday May 31 2018

8:19 PM
Terminal South

★ CO2 Emissions: 145.64 lbs/66.2 kgs

Non-stop

Equipment: Boeing 717-200

Remarks

FOR 24/7 TRAVEL ASSISTANCE PLEASE CONTACT
THE BCD TRAVEL TEAM AT 1-866-964-1346
FOR OUTSIDE THE US CALL COLLECT 770-829-2609
FOR THE HEARING IMPAIRED- PLEASE DIAL 711
TO ACCESS RELAY SERVICE- PROVIDE PHONE
NUMBER OF 1-866-964-1346 TO ACCESS TRAVEL

DUE TO RECENT CHANGES IN THE FY15 GOVERNMENT CITY PAIR PROGRAM/CPP YOUR AIR RESERVATIONS ARE SUBJECT TO CANCELLATION BY THE AIRLINES IF NOT TICKETED AT LEAST 48 HOURS PRIOR TO SCHEDULED DEPARTURE PLEASE ENSURE ALL NECESSARY APPROVALS ARE PROCESSED IN ACCORDANCE WITH YOUR AGENCYS BUSINESS RULES BUT NOLESS THAN 3 BUSINESS DAYS PRIOR TO DEPARTURE TO ENSURE TICKETING. THIS 48 HOUR CANCELLATION RULE DOES NOT APPLY TO INTERNATIONAL RESERVATIONS UNLESS YOUR TRIP HAS DOMESTIC CONNECTIONS ON MORE THAN ONE AIRLINE OR THESE RESERVATIONS REQUIRE SEPARATE AIR TICKETS.

CHECK-IN TIMES ARE 90 MINUTES PRIOR TO DEPARTURE FOR DOMESTIC FLIGHTS OR 120 MINUTES FOR INTERNATIONAL ELECTRONIC TICKET/S/ WILL BE ISSUED FOR THIS TRIP YOUR HOTEL RESERVATION IN MEMPHIS DOES NOT MATCH FLIGHT ITINERARY IF AN ERROR HAS OCCURRED CONTACT US AT / 866-964-1346.

DELTA AIRLINES REQUIRES CUSTOMERS TO CHECK THEIR BAGS A MINIMUM OF 45 MINUTES PRIOR TO DEPARTURE. CUSTOMERS WHO DO NOT MEET THIS REQUIREMENT WILL BE RE ACCOMMODATED ON THE NEXT AVAILABLE FLIGHT/S AND WILL BE CHARGED THE CHANGE FEE. SEE WWW.DELTA.COM FOR ADDITIONAL INFORMATION. CHECKED BAGGAGE POLICIES VARY BASED ON CARRIER AND FINAL

WITH YOUR TRAVEL CONSULTANT OR THE AIRLINES WEBSITE. DESTINATION. FOR THE LATEST INFORMATION PLEASE CHECK

25May/10:39AM

🚅 Estimat	ed trip total			812.90 USD
Air	Car	Hotel	Rail	Other
812.90 USD				•
Fare de	tails: Not gu	aranteed un	til ticketed	
Vendor	Eare information	Refund restrictions before departure	Change restrictions after ticketing	Ticket information
Air DL1504 29May DL1778 31May	Total: USD 812.90	REFUND RESTRICTIONS MAY APPLY	CHANGE RESTRICTIONS MAY APPLY	

All quotes are provider quotes excluding possible taxes and charges en route. Currency conversions shown in this itinerary receipt are done using the bank rate applicable at the date shown in the header of this document. Please note that some local taxes and charges may be invoiced during your trip and cannot be shown at time of reservation.

Email generated on 25May/3:39 PM UTC

Additional trip in	formation
Baggage Policy	TRAVELER NOTICE - Many airlines charge fees for baggage and other services. Amounts vary by airline and are subject to change. Travelers are responsible for verifying all fees charged by individual carriers. Please visit the operating carrier website of your ticketed itinerary for applicable fees.
Hazardous Materials	Advice to Passengers
	Transportation of Hazardous Materials
	Federal law forbids the carriage of hazardous material aboard the aircraft, in your luggage, or on your person. A violation can result in 5 years imprisonment and penalties of \$250,000 or more (49 U.S.C 5124). Hazardous materials include explosives, compressed gases, flammable liquids and solids, oxidizers, poisons, corrosives and radioactive materials.
	Forbidden Dangerous Items Examples:
,	Paints, lighter fluid, fireworks, tear gases, oxygen bottles and radiopharmaceuticals. There are special exceptions for small quantities (up to 70 ounces total) of medicinal and toilet articles carried in your luggage and certain smoking materials carried on your person. For further information, contact your airline representative.
	Note: Spare batteries and fuel cells are not permitted in checked or hold baggage. These items MUST be packed in carry-on baggage. If your carry-on bag is gate checked, the spare batteries and fuel cells must be removed and carried in the cabin.

To access historical itineraries/travel receipts click here.

Please read the notices and all attachments. They constitute part of your contract for travel-related services. Please check your documents carefully for accuracy when you receive them. Call your Travel Adviser if you have any questions. Most discount fares involve restrictions of which you need to be aware. Changing carrier or flights could result in the airline demanding an increased fare. Check with your Travel Adviser or the airline before making any changes.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

FEB 2 3 2018

OFFICE OF

MEMORANDUM

SUBJECT: EPA's Environmental Justice and Community Revitalization Priorities

FROM: Samantha Dravis (Y) Multi-

Associate Administrator, Office of Policy

TO: Assistant Administrators

Deputy Assistant Administrators

Regional Administrators

Deputy Regional Administrators

This past October marked the twenty-fifth anniversary of the creation of the Office of Environmental Justice (OEJ), a testament to the Environmental Protection Agency's (EPA) commitment to addressing the environmental and public health concerns of minority, low-income, and tribal and indigenous communities. EPA's dedication to furthering environmental justice (EJ) remains strong, and we look forward to sharing our forthcoming annual EJ report to highlight the progress we made during 2017. Throughout the decades, EPA has been committed to ensuring that all Americans see the full benefit of environmental protection and have a voice in our work and decisions. This is as true today — with Administrator Pruitt's emphasis on cleaning up Superfund sites and aggressively attacking exposure to lead — as it was when E.O. 12898 on Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations first delivered the mandate to integrate EJ throughout the federal government.

The move of OEJ into the Office of Policy (OP) is a reaffirmation of Administrator Pruitt's commitment to the mission and goals of the Agency's EJ program – to engage with and meet the needs of our nation's most vulnerable communities as they relate to disproportionate environmental impacts, health disparities, and economic distress. Elevating OEJ into OP will strengthen and complement our EJ work with the activities of many other offices, enabling EPA to provide better support to communities as we work to improve health, protect the environment and grow local economies for all people. The following goals align with the priorities identified in the Agency's FY 2018-2022 EPA Strategic Plan and build upon EPA's long history of progress in advancing EJ.

In support of our core mission of improving air quality, providing for clean and safe water, revitalizing land and preventing contamination, we will . . .

1. Achieve measurable environmental outcomes for underserved and overburdened communities in the areas of exposure to lead, access to safe drinking water, reduction of harmful air pollutants and limiting exposure to contamination from hazardous wastes.

2. Advance a more systematic approach to ensuring stronger consideration of vulnerable groups and communities in decisions through EPA's rulemaking, permitting, compliance and enforcement, and emergency response and recovery programs. This work will include development of guidelines and measures for training, implementation and use of EJ tools, resources and guidance (e.g. EJSCREEN, EJ Technical Guidance and Action Development Process Guidance, EJ and permitting framework, etc.). This approach should also ensure greater understanding of EJ by starting with community involvement and carrying through to recovery, redevelopment and revitalization, especially in EPA's place-based programs.

In the spirit of cooperative federalism, we will . . .

- 3. Strengthen the ability of our partner agencies to integrate EJ in their work through enhanced coordination and collaboration with states, tribes and local governments to address EJ concerns.
- 4. Invigorate partnerships with federal agencies to enhance interagency efforts to respond to the needs of vulnerable communities by leveraging existing resources to address EJ issues through the Federal Interagency Working Group on Environmental Justice.
- 5. Request the National Environmental Justice Advisory Council (NEJAC) engage with communities across the United States in each region to bring their concerns to the attention of the Administrator by the time of the NEJAC's first full in-person meeting in calendar year 2018.

In support of the rule of law and fair process, we will . . .

- 6. Improve EPA science to better understand the needs of underserved and overburdened communities, focusing on environmental problems where they are most acute for low-income, minority and tribal/indigenous populations, with an emphasis on public participation to identify solutions.
- 7. Champion the implementation of "Promising Practices for Environmental Justice Methodologies in NEPA Reviews" by encouraging its use across the federal family, engaging early to provide technical assistance to our federal partners, and by serving as a Cooperating Agency to promote a more effective, efficient, and consistent consideration of EJ on all federal projects.
- 8. Enhance coordination between the EJ and civil rights programs.

Finally, I am calling on every EPA Region, with support of the national programs, to identify those communities that would benefit from a coordinated approach to address EJ challenges. We will do this by strategically leveraging EPA's resources to enhance the capacity of communities to address their challenges through local innovation and to create conditions that support well-being, health and economic revitalization. In support of this initiative, we will

- 9. Provide communities with access to the training, capacity building and technical assistance necessary to meaningfully engage in EPA's decision-making processes and to help develop and implement locally-led, community-driven solutions.
- 10. Expand support for communities through EPA programs, such as EJ Grants, Urban Waters, Brownfields and Area Wide Planning, and Building Blocks for Community Revitalization.
- 11. Elevate the role of EJ in place-based work and in fostering collaborations with multiple stakeholders, such as through port community pilot projects, brownfields to healthfields, and community revitalization planning assistance, especially in EPA's focus communities.
- 12. Commit to better alignment of our own programs and those of our federal partners to ensure that locally-led, community-driven solutions are supported and valued.

In the next month, OP is launching a convening of senior leadership through an Environmental Justice and Community Revitalization Council (formerly the EJ Council), which will provide leadership

through OEJ and the Office of Community Revitalization (OCR) for EPA's community-based work and where these strategic directions will be further discussed and implemented in alignment with EPA's new strategic plan. We are all proud of EPA's progress in pursuit of EJ over the past twenty-five years. Today, more people and communities have the protection and access to resources that we want all communities in our country to enjoy. We have cemented EJ as not just an ideal to be achieved. It is a deeply rooted commitment that helps us better achieve our mission to protect the environment and public health through collaboration, cooperative federalism and meaningful engagement. I look forward to working with all of you to carry on this critical work.

7

EVENT INFORMATION SHEET

CAVEAT: If Mr. Glenn is summoned to go to headquarters on the day of the event, he will go. We will try our best to provide you with a substitute speaker from EPA.

EVENT:	Farmer to Farmer Press Event
INVITATION BY:	LaKeshia Robertson on behalf of Ben Scaggs
DATE:	Early May (Mr. Glenn's availability will establish the event date).
TIME:	10:00 a.m. (Mr. Glenn's availability will establish the event time).
LOCATION: (include street address)	Jones Park in Gulfport, MS tentative location
INTRODUCTION BY:	Ben Scaggs
INTENDED SPEECH SUBJECT:	Farmer to Farmer awardee acknowledgments and benefits of projects to improving water quality.
INTENDED LENGTH OF SPEECH:	Five to seven minutes.
AUDIENCE/ATTENDEES: (Please include a separate list of all known attendees, especially those who work for a company or organization. List name, position, and company/organization)	
SPECIAL ATTENDEES: (Please list)	See list of special attendees to be invited.
PRESS/MEDIA (open or closed press?)	Open
EVENT POC (AND TELEPHONE/CELL #):	LaKeshia Robertson, 228-679-5910/228-342-8046
Internal EPA: EPA SPEECH POC:	
EPA SUBJECT POC:	
STAFF PERSON ACCOMPANYING RA:	
BACKGROUND/COMMENTS:	GMP attached the Farmer to Farmer Request for Proposals and the scope of work of each project selected for funding.

REGISTRATION INFORMATION/LOCATION/CCOST:	N/A
DRESS:	Business Casual
COMMENTS:	
ARE YOU A REGISTERED FEDERAL LOBBYIST?	

Special Attendees (to be invited):

- 1. Senator Roger Wicker
- 2. Congressman Steven Palazzo
- 3. Bill Northey Undersecretary for Farm Production and Conservation
- 4. Anne L. Idsal, Regional Administrator, R6
- 5. Jim Gulliford, Regional Administrator, R7
- 6. Jeff Sands, Agricultural Adviser to Administrator Scott Pruitt
- 7. Mayor Billy Hewes, City of Gulfport
- 8. Dr. Rodney D. Bennett, President, University of Southern Mississippi
- 9. Dr. Steve Miller, Vice President, Gulf Park Campus, University of Southern Mississippi
- 10. Dr. William M. Graham, Director, Gulf Coast Research Laboratory and School of Ocean Science & Technology, University of Southern Mississippi
- 11. Chris Snyder, Director, Marine Education Center, University of Southern Mississippi
- 12. Governor Phil Bryant, Mississippi
- 13. Gary Rikard, Executive Director, Mississippi Department of Environmental Quality
- 14. Joe Spraggins, Executive Director, Mississippi Department of Marine Resources
- 15. Judy Steckler, Executive Director, Land Trust for the Mississippi Coastal Plain
- 16. Mike Naig, Secretary, Iowa Department of Agriculture and Land Stewardship
- 17. Trey Cooke, Executive Director, Delta F.A.R. M.
- 18. Dr. LaDon Swann, Director, MS/AL Sea Grant

EPA's Community-Driven Approach
Withheld - Pre-Decisional - Exemption 5

June 4, 2018 -June 10, 2018

June 2018	July 2018
SuMo TuWe Th Fr Sa	SuMo TuWe Th Fr Sa
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Monday, June 4

12:00am Hold-New Orleans

Davina (D)(6) Marraccini, Davina

Trey's New Orleans Itinerary

🎆 8:15am - 9:42am Flight# DL1970 from ATL -> MSY (1 hour and 27

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs 202-991-0477 Conference ID: (b)(6) (New Conference Line # Grantham, Nancy

1:00pm - 2:00pm APTMD Staff Meeting (12B: Call in number 404-562-9990, Access Code (b)(6) - Banister, Beverly

🛍 2:00pm - 3:00pm Copy: Senior Staff Meeting (Alm Room) -Adm14Pruitt, Scott

3:00pm - 4:00pm

職 3:00pm - 4:00pm

3:00pm - 4:00pm

Tuesday, June 5

12:00am Hold-New Orleans

8:00am - Last Day to pay parking before \$10 penalty O

📕 9:00am - 4:00pm (H) - Hurricane Preparedness 2018 (New Orleans,

9:00am - 4:00pm FW: Hurricane Preparedness Mtg (605 Poydras Street, Suite 1600, New Orleans, LA 70130) - Lindley, Emily

Wednesday, June 6

11:30am - 1:30pm Lunch and Learn: Chasing Coral (Augusta Room) 12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

Thursday, June 7

- 🟙 10:00am 11:00am General Discussion Lean Management (External Affairs Conference Room) - Ashbee, Blake
- 🗱 11:00am 11:45am Tracking State and Tribal Correspondence in CMS (RA's Conference Room (call in number 404-562-9907 code (b)(6) - Hudson, Wanda

12:00pm - 2:00pm Save-the-Date: LexisNexis Training: "The Modern Campfire: Discovering the Right Stories Using Advanced Legal Research Techniques" (1 hr CLE) (13D / (866) 567-2983

1:00pm - 1:30pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID; (b)(6)

2:00pm - 2:30pm General with David Keefer (Mary's office) - Walker,

3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) -Richardson, RobinH

🎇 4:00pm - 5:00pm Manning mcphillips.

Friday, June 8

8:00em - Reminder People Plus Approval Day

9:00am - Peopleplus approval day

攤 11:30am - 12:00pm General Discussion -ORA Awards (Mary's office)

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs

Grantham, Nancy

(New Conference Line # 202-991-0477 Conference ID: (b)(6)

Saturday, June 9

Sunday, June 10

Hurricane Preparedness Template

We'd like to have each Region complete this very basic template that we will then use for discussion purposes during our meeting on June 5th.

Please challer	list the top Local & State issues, including but not limited to communication ages/protocols/best practices:
1.	Ex: Timely approval of fuel waivers
2.	
3.	
Please challen	list the top eNGO & Community issues, including but not limited to communication ges/protocols/best practices:
1.	Updating Region website with current info and contact info, increased use of social media
2.	
3.	
Please practice	list the top Industry issues, including but not limited to communication challenges/protocols/beses:
1.	Startup, Shutdown & Malfunction issues
2.	
3.	

AGENDA

2018 Hurricane Preparedness Tuesday, June 6, 2018 8:00 AM - 3:00 PM CST New Orleans, LA

Purpose:

To consider and address lessons learned during prior natural disasters, but most

notably from the 2018 hurricane and wildfire seasons, in order to improve EPA's

natural disaster preparedness, response, and recovery efforts.

Invitees:

Pete Lopez (R2), Cosmo Servidio (R3), Trey Glenn (R4), Anne Idsal (R6), Jim

Gulliford (R7), Patrick Traylor (OECA), Phil Brooks (OECA), Steve Cook (OLEM),

Kenneth Wagner, Nancy Grantham (XA), Reggie Cheatheam (OEM), and

additional staff as invited and necessary.

Please bring: After-action reports, IG reports, ACI in Disaster Recovery Efforts, Lessons

Learned

Attire:

Business casual

8:00 AM - 9:00AM

State, Industry, and Community Feedback

Consider Feedback Provided by Partners & Stakeholders

Ideas for Discussion: Establishing Information/Communication Protocols & Best Practices; Proactive Approaches to Disaster Mitigation & Response; Opportunities for Community

Education

10:00 AM - 10:15 AM

BREAK

10:15 AM - 11:45 AM

Region & HQ Feedback/Ideas

Ideas for Discussion: Fuel Waivers; Debris Removal/Sorting/Siting; Federal Funding

Constraints/Considerations; Cutting Red Tape; Duplication of Efforts/Benefits with Federal Partners; Asset Readiness

11:45 AM - 1:00 PM

LUNCH ON YOUR OWN

1:00 PM - 3:00 PM

Action Items

Streamlining Processes/Protocols for Pre- and Post-Landfall?

Pre-approved Templates for Fuel Waivers? Extensions?

Streamline Environmental Requirements/Practices/Protocols

with States & Local Communities?

MOUs with States and/or Federal Agencies to Address

Jurisdictional Issues?

- Pre-Planning Opportunities with Community and Industry Partners?
- Asset Readiness?

Next Meeting: Transitioning Lessons/Recommendations to General Disaster Preparedness

- The session should be an all hazards approach for significant response of any type.
- Familiarize RAs with concepts of National, Region, and Operational Management Objectives.
- RAs role in managing the event more so than the incident; emphasis on State/Local government strategies.
- RAs role in FEMA vs NCP responses and best practices to get started right.
- Resourcing a major response.
- Importance of RA participation in state, regional, and national exercises.
- Consistency in approach; ICS and beyond.

June 11, 2018 -June 17, 2018

June 2018	July 2018
SuMo TuWe Th Fr Sa	SuMo TuWe Th Fr Sa
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12:00am Regional Tribal Operations Committee (RTOC) In-Person Meeting (; Conference Room 13B (EPA Atlanta Offices)) - 8:30am Save-the-Date: National Counseling Attorneys Conference 2018 via VTC (13A via VTC) - Pratt, Marirose 9:30am - 12:30pm June's Regional Monthly Review (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey 12:30pm - 1:00pm ADEM Title VI (RA's Conference Room (Call-in # 202-991-0477 code 5997866)) - Glenn, Trey 1:00pm - 1:30pm FYI ~ Trey: Executive Assistant Interview 1:00pm - 1:30pm interview (Mary's office) - Walker, Mary 1:45pm - 2:15pm FYI ~ Trey: Executive Assistant Interview 2:00pm - 2:30pm Interview (Mary's Office) - Walker, Mary 2:30pm - 3:00pm FYI ~ Trey: Executive Assistant Interview 3:00pm - 3:30pm Interview (Mary's Office) - Walker, Mary Thursday, June 14
In-Person Meeting (; Conference Room 13B (EPA Atlanta Offices)) - 8:30am Save-the-Date: National Counseling Attorneys Conference 2018 via VTC (13A via VTC) - Pratt, Marirose 9:30am - 12:30pm June's Regional Monthly Review (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey 12:30pm - 1:00pm ADEM Title VI (RA's Conference Room (Call-in # 202-991-0477 code 5997866)) - Glenn, Trey 1:00pm - 1:30pm FYI ~ Trey: Executive Assistant Interview 1:00pm - 1:30pm Interview (Mary's office) - Walker, Mary 1:45pm - 2:15pm FYI ~ Trey: Executive Assistant Interview 2:30pm - 3:00pm FYI ~ Trey: Executive Assistant Interview 2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 3:00pm - 3:30pm Interview (Mary's Office) - Walker, Mary
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2:30pm - 2:30pm Interview (Mary's Office) - Walker, Mary 2:30pm - 3:00pm FYI ~ Trey: Executive Assistant Interview 2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 3:00pm - 3:30pm Interview (Mary's Office) - Walker, Mary
+ 12:00am Regional Tribal Operations Committee (RTOC) In-Person Meeting (; Conference Room 13B (EPA Atlanta Offices)) - Armor, Suzanne
← 1:30pm Save-the-Date: National Counseling Attorneys Conference 2018 via VTC (13A via VTC) - Pratt, Marirose
7:00am - 8:00am
11:30am - 12:00pm Call with R6/R4 - Ashbee, Blake 1:00pm - 1:30pm General Discussion with Blake (Mary's Office) 1:00pm - 1:30pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy ○ 1:30pm - 2:00pm VMS Walk Around Review - Ashbee, Blake 3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) - Richardson, RobinH ○ 3:30pm - 4:00pm Interview (Mary's Office) - Walker, Mary
Saturday, June 16
Sunday, June 17

Briefing Points for Meeting with Trey Glenn, June 12, 2018

Withheld – Draft/Deliberative – Exemption 5

Region 4 Monthly Business Review

June 12th, 2018 - 9:30 AM - 12:30 AM

AGENDA

1. Opening Remarks	T. Glenn
2. Review of Action Items from Previous Meeting	D. Fifadara
3. Performance Metrics / Counter Measures Review	D. Fifadara
 [#1] Permits In Backlog [#2] Number of Non-Attainment Areas [#3] Number of SIPS on Backlog [#4] Superfund Sites RAU [#5] Brownfields Sites RAU [#6] RCRA Corrective Action Sites RAU [#7] LUST Cleanups That Meet Risk Based Standards [#11] Significant Non-Compliance Rate (NPDES DMRs) [#12-20] Agency Wide Reporting Metrics 4. Additional Regional Measures/ Counter Measures [#1-3] SESD Measures [#4-9] OPM Measures [#10] Priority SIPs [#11-15] GMP Measures [#16-23] ORA Measures 	WPD, RCRD APTMD APTMD SFD RCRD RCRD RCRD WPD OPM D. Fifadara SESD OPM APTMD GMP ORA
5. Proposals for additional Regional Measures	D. Fifadara
6. Status of Funds / Position Allocation	K. Eubanks/K. Lapierre
7. Responsiveness to States Measure	M. Walker/B. Ashbee
8. Review of Action Items and Wrap-up	D. Fifadara
9. Closing Comments	T. Glenn

Next Meeting: Tuesday, July 17^{th} , 2018 - 9:00 AM - 12:00 PM

DRIVING DIRECTIONS TO THE BAYSIDE BALLROOM & BAYSIDE AT SANDESTIN

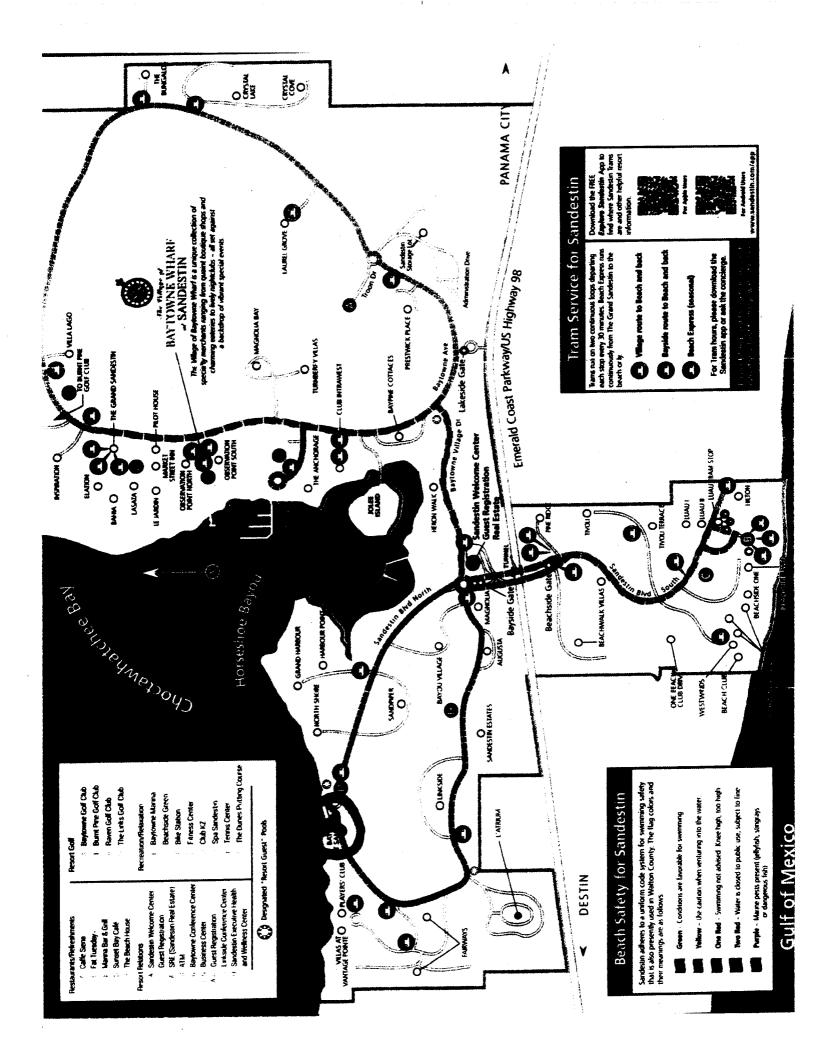
Bayside at Sandestin 160 Sandestin Boulevard North Miramar Beach, FL 32550

From Highway 98 (from the EAST, Panama City):

- ✓ Turn RIGHT onto Sandestin Boulevard North (BAYSIDE of Sandestin)
- ✓ Stop and check-in with Security
- ✓ Immediately after Security Gate, continue STRAIGHT through the roundabout (following signs to **Bayside**)
- ✓ Continue on Sandestin Boulevard North past the golf course and neighborhoods (Bayou Village, Harbor Point, Sandpiper and Northshore)
- ✓ Continue under the overpass when approaching the Linkside Conference Center area
- ✓ Bayside Ballroom will be on the RIGHT side of the road, adjacent to the Bayside at Sandestin (eight-story blue building)
- ✓ Parking is available on the LEFT

From Highway 98 (from the WEST, Pensacola / Ft. Walton Beach):

- ✓ Travel one mile east past Silver Sands Factory Outlet Center
- ✓ Turn LEFT onto Sandestin Boulevard North (BAYSIDE of Sandestin)
- ✓ Stop and check-in with Security
- ✓ Immediately after Security Gate, continue STRAIGHT through the roundabout (following signs to Bayside)
- ✓ Continue on Sandestin Boulevard North past the golf course and neighborhoods (Bayou Village, Harbor Point, Sandpiper and Northshore)
- ✓ Continue under the overpass when approaching the Linkside Conference
 Center area
- ✓ Bayside Ballroom will be on the RIGHT side of the road, adjacent to the Bayside at Sandestin (eight-story blue building)
- ✓ Parking is available on the LEFT



Southeast Environmental Law Regulation Conference Friday, June 15, 2018 Bayside Ballroom 160 Sandestin Blvd North Miramar Beach, Florida 32550

AGENGA

8:30 - 8:45 am

Welcome & Introduction

Elizabeth Hamrick, Esq. Program Chair, Alabama State Bar Environmental Law Section (Huntsville, AL)

8:45 - 9:15 am

EPA Region 4: Report from the Administrator

Trey Glenn EPA Region 4 Administrator (Atlanta, GA)

9:15 - 10:15 am

Federal Regulatory Update

Margaret Caravelli, Esq. Balch & Bingham (Washington, D.C.)

10:15 - 10:30 am

Break

10:30 - 11:30 am

Alabama & Mississippi 2018 Regulatory Updates

Shawn Sibley, Esq. ADEM (Montgomery, AL)

Gary Rikard, Esq. MS DEQ (Jackson, MS)

Ronald W. Farely, Esq. Moderator (Birmingham, AL)

11:30 - Noon

Report from American Bar Association Section of

Environment, Energy and Resources

Water of the U.S.: A Long and Winding Road Through the District Courts is

About to Begin

John Milner, Esq. Brunini Grantham Grower & Hewes (Jackson, MS)

Noon -1:30 pm

Lunch on you own

1:30 - 2:00 pm

Using Radar Data to Generate High-Resolution Rainfall

Estimates: Project Site Monitoring and Litigation Application

Time Coleman, PhD Coleman and Knupp (Birmingham, AL)

Southeast Environmental Law Regulation Conference Friday, June 15, 2018 Bayside Ballroom 160 Sandestin Blvd North Miramar Beach, Florida 32550

AGENGA (continued)

2:00 - 2:45 pm

Issues in Environment Site Assessments. Further

Assessment or on to Remediation?

Leonard Diprima, Jr., P.G. United Consulting (Norcross, GA)

Michael Caples, Esq. Butler Snow O'Mara Stevens & Cannada (Jackson, MS)

2:45 - 3:00 pm

Break

3:00-4:00 pm

Using Intelligent Chemistry to Drive High-Quality Data

Evan T. Ogburn Environmental Standards, Inc. (Knoxville, TN)

William S. Cox, III, Esq. Bradley Arant Boult Cummings (Birmingham, AL)

4:00 - 5:00 pm

Ethics - Stress 101: An Introduction to the Physiology,

Detection, and Management of Stress

Elizabeth Hamrick, Esq. (Huntsville, AL)

5:00 - 6:30 pm

Reception in the Bayview Room at the Linkside

Conference Center

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference June 10-16, 2018

Monday, June 11, 2018

8:00 am - 4:00 pm

Regional Administrator meeting

Embassy Suites Hotel 8th Floor – Walden Room

If you have any problems entering the room call

(202) 379-8493

Tuesday, June 12, 2018

FLIGHT:

Leave: Chicago via Delta 977 at 6:00 am (CST)

Arrive: Atlanta, Georgia at 8:55 am (EST)

Seat: 17B

Confirmation Number: HAT5IM

9:30 am	Regional Monthly Review
12:30 pm	ADEM Title VI Call w/HQ
1:00 pm	Interview with Marlo Moore
1:45 pm	Interview with Brandy Hairston
2:00 pm	Interview with Dawn Kutob
3:15 pm	Call with Commissioner Hatton

FLIGHT:

Leave: Atlanta via Delta 826 at 5:50 pm

Arrive: Charlotte, North Carolina at 7:19 pm

Seat: 23D

Confirmation Number: HAT5IM

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference June 10-16, 2018

Additional Region 4 Staff:

Name Brandi Jenkins (RTOC Only)	Telephone # (404) 702-9239	Transportation Brandi has a rental

M&IE = \$428.50

6/10/2018	\$55.50	6/11/2018	\$74.00
6/12/2018	\$59.00	6/13/2018	\$64.00
6/14/2018	\$64.00	6/15/2018	\$64.00
6/16/2018	\$48.00		

NOTE: Lunch on the 11th will be charged to your room

Sunday, June 10, 2018

FLIGHT:

Leave: Birmingham via United 4541 at 2:36 pm (CST)

Arrive: Chicago, Illinois at 4:42 pm (CST)

Seat: 22B

Confirmation Number: G437M5

Hotel:

Chicago\Rosemont Embassy Suites

5500 North River Road Rosemont, Illinois 60018 Phone: (847) 678-4000

Check-in: Sunday, June 10th after 3 pm Check-out: Tuesday, June 12th by Noon

Confirmation Number: 91387419

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference June 10-16, 2018

Tuesday, June 12, 2018 (continued)

Hotel:

Le Meridien Charlotte (Starwood Hotels & Resorts)

555 South McDowell Street, North Tower

Charlotte, North Carolina Phone: (704) 372-9610

Check-in: Tuesday, June 12th after 3 pm Check-out: Wednesday, June 13th by Noon

1 King Bed

Confirmation Number: 732502456

Wednesday, June 13, 2018

8:30 am - 4:45 pm

RTOC

Catawba Indian Nation 996 Avenue of the Nations Rock Hill, South Carolina

NOTE: Trey's Session: Open Discussion is from 8:45 - 9:45 am

11:00 am - 12:30 pm

Rock Hill Brownfields Site Tour

Rock Hill City Hall
215 Hampton Street

Rock Hill, SC

NOTE: POC is Robby Moody (803) 327-9041

FLIGHT:

Leave: Charlotte via American Airlines 5436 at 2:11 pm (EST)

Arrive: Birmingham, Alabama at 2:29 pm (CST)

Seat: Seat will be assigned upon check-in

Confirmation Number: XMATXV

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference June 10-16, 2018

Thursday, June 14, 2018

Drive POV from Home, to Destin Florida approximately 4 hours and 22 mins/268 miles via I65S

Hotel:

Sandestin Golf and Beach Resort

9300 Emerald Coast Parkway W

W. Destin, Florida 32550 Phone: (866) 701-3720

Check-in: Thursday, June 12th after 3 pm Check-out: Wednesday, June 13th by Noon

1 King Bed

Confirmation Number: 732502456

10:00 am - 12:00 pm

Federal Everglades Family Call

Telephone number will be provided later

Friday, June 15, 2018

8:30 am – 5:00 pm

Southeastern Environmental law & Regulation

Conference

Sandestin Golf and Beach Resort 9300 Emerald Coast Parkway W.

W. Destin, Florida 32550

Note: Trey's Session: Report from the Administrator is from 8:45 - 9:15 am

5:00 - 6:30 pm

Reception in the Bayview Room

Saturday, June 16, 2018

Drive POV from Destin, Florida to Home approximately 4 hours and 22 mins/268 miles via I65N

RA Meeting, RTOC, Brownfields Tour and Southeastern Environmental Law & Regulation Conference June 10-16, 2018

For flight changes contact: BCD Travel: (866) 964-1346

Agency Record P5H7NO

\$34.50 per change

For all other travel issue contact: EPA Travel (513) 487-2346

EPA Region 4 RTOC Meeting June 12-14, 2018 Catawba Indian Nation 996 Avenue of the Nations Rock Hill, South Carolina

Call-In Number: (202) 991-0477, conference code: (b)(6) personal

In Region 4: Video Teleconference in Conf. Room 13B

Monday, June 11 - Travel Day

Tuesday, June 12

Adobe Connect Webinar: http://epawebconferencing.acms.com/r4rtocjune122018/

- 8:30 Tribal Caucus/RTOC Business Meeting and Committee Reports (Tribes only)
 Facilitator Darin Steen, RTOC Chair, Catawba Indian Nation
- 10:00 Break
- 10:15 CIN Cultural Program
- 11:45 Lunch
- 1:00 Tribal TAB Program
 Olga Perry, EPA Region 4 RCRD,
 Mickey Hartnett, Kansas State University TAB Program
- 2:00 Break
- 2:15 WOTUS Rulemaking Update and Panel Discussion Rose Kwok and/or Karen Gude, EPA Office of Water Michael Bolt, Eastern Band of Cherokee Indians Cherise Maples, Seminole Tribe of Florida
- 3:45 Construction Stormwater
 Michael Mitchell, EPA Region 4 Water Protection Division
- 5:00 Day 1 ends
- 6:00 Welcome Reception/Happy Hour (optional)

 <u>Legal Remedy Brewing Co.</u>

 129 Oakland Ave, Rock Hill, SC 29730

 Dutch Treat















Wednesday, June 13

Adobe Connect Webinar:

http://epawebconferencing.acms.com/r4rtocjune132018/

- 8:30 Opening Remarks
 Darin Steen, RTOC Chair, Catawba Indian Nation
- 8:45 Executive Session with Trey Glenn, Regional Administrator Open Discussion
- 9:45 EPA Sr. Leadership/Staff to join Executive Session Open Discussion
- 10:45 Break
- 11:00 Improving Consultation Communication Open Discussion Suzanne Armor, EPA Region 4 (facilitator)
- 11:45 Lunch
- 1:00 GAP Guidance Evaluation Felicia Wright, Acting Director, American Indian Environmental Office, EPA
- 2:30 Break
- 2:45 DNA Analysis of E. Coli
 Lisa Meday, Seminole Tribe of Florida
 Dr. Diuto Esiobu, Ph.D., Professor, Microbiology and Biotechnology
 Florida Atlantic University, Boca Raton
 Founder / Consultant Applied Biotech Inc
 Brian Mercer, M.S., Microbiology Director, Florida Spectrum
 Environmental Services Inc.
- 4:15 Closing Remarks
 Darin Steen, RTOC Chair, Catawba Indian Nation
- 4:45 Day 2 Ends
- 7:00 Group Dinner (optional) Sign up <u>here</u>
 <u>The Pump House</u>
 575 Herrons Ferry Road, Rock Hill, SC 29730
 Dutch Treat















Thursday, June 14

Adobe Connect Webinar:

http://epawebconferencing.acms.com/r4rtocjune142018/

- 8:30 Opening Remarks
 Darin Steen, RTOC Chair, Catawba Indian Nation
- 9:00 Pesticides Update Pat Livingston, EPA Region 4 APTMD
- 9:30 National Tribal Air Association Update
 Scott Hansen, Catawba Indian Nation, and Tiffany Lozada, Poarch Band
 of Creek Indians
- 9:45 Break
- 10:00- Impaired Waters Listing Assessment and Methodology Bonita Johnson, EPA Region 4 Water Protection Division
- 11:00 SESD Technical Assistance Overview EPA Science and Ecosystem Support Division
- 12:00 Lunch
- 1:30 Lead-Based Paint and Asbestos Program Sarah Hawley, EPA Region 4 APTMD
- 2:00 Field Trip to the Schiele Museum of Natural History Sign-Up Here
 Featuring a Catawba Indian Village Exhibit
 ~\$7/person, Dutch Treat (to be confirmed with Museum,
 based on no. of attendees)
 Transportation to/from Museum TBD

- CONFERENCE CLOSES -

Friday, June 15 - Travel Day















June 18, 2018 -June 24, 2018

June 2018	July 2018
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Monday, June 18

- 8:30am 4:30pm Deputy Administrator Wheeler's Visit to the Region Glenn, Trey
- 8:30am 9:00am DA Visit: Meet with RA & COS (RA's Private Conference Room) - Glenn, Trey
- 麗 9:30am 9:45am DA Visit: Depart for Business Roundtable Glenn,
- 🛤 10:00am 11:00am DA Visit: Business Roundtable (Georgia
- 關 11:30am 12:20pm Meeting with Region 4 Senior Leadership and
- 驪 12:30pm 1:30pm DA Visit: Region 4 All Hands Meeting (2nd Floor
 - 1:00pm 1:30pm OPA/OCIR/OPEEE Conference Call with PADs
 - 1:30pm 2:30pm APTMD Staff Meeting (128: Call in number
- **2:00pm 3:00pm Copy: Senior Staff Meeting** (Alm Room)
- 2:30pm 3:15pm Briefing: Everglades Principals Meeting (RA's
- 3:15pm 3:45pm DA Visit: CUPP Briefing (RA's Conference Room)
- 圖 4:00pm 4:30pm DA Visit: Visual Management System Walk

Tuesday, June 19

- 8:00am 11:00am Hold
- 9:00am 12:30pm North Carolina's State Compliance Meeting (217 W Jones St, Raleigh, NC 27603) Glenn, Trey
- # 11:00am 11:30am General Discussion Sullivan Co., TN SO2
 Attainment SIP (Blake's office) Ashbee, Blake
- 1:00pm 2:00pm General Discussion OExA Lean Project:
 Countermeasures Discussion (OExA conference room) Ashbee, Blake
 1:30pm 3:00pm Reminder: Training on Records Electronic Files
 and Email Practice Tips: Today at 1:30 (138 / 202-991-0477 code:
- (b)(6) and Skype) Pratt, Marirose

 2:30pm 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC North New call in #: 202-991-0477 Conference Code: (b)(6) Grantham, Nancy:

Wednesday, June 20

Restoration Strategies Principals Meeting (Miami, Florida) - Glenn, Trey

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

Thursday, June 21

12:00am Spring State Commissioners Meeting (Amelia Island, Florida) - Hudson, Wanda

3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) - Richardson, RobinH • •

Friday, June 22

- 12:00am Spring State Commissioners Meeting (Amelia Island, Florida) Hudson, Wanda
- 8:00am 5:30pm EPA/State Commissioners Meeting (FIRM)
 (Florida)
- 8:00am Registrides People Plus Approval Bay O

9:00am - Peopleplus approval day 🖰

12:30pm - 1:00pm OPA/OCIR/OPEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

Saturday, June 23

Sunday, June 24

June 25, 2018 -July 1, 2018

June 2018		July 2018
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Monday, June 25

- 12:00pm 12:30pm Biweekly Meeting with Directors: Beverly Banister (RA's Small Conference Room) Glenn, Trey
 - 12:30pm 1:00pm OPA/OCIR/OPEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy
- 1:00pm 1:50pm Follow-up FROM SSES Meeting in DC with John Blevins (Region 4 61 Forsyth Street SW, Atlanta Georgia 30303 (RA's Conference Room)) - Glenn, Trey
- **罐 2:00pm 3:00pm Copy: Senior Staff Meeting** (Alm Room) Adm14Pruitt, Scott ©
- **3:00pm 3:30pm NC Radon Grant Briefing** (RA's Conference Room) Glenn, Trey
- **羅 3:30pm 4:00pm Biweekly Meeting with Director: Franklin Hill** (RA's Small Conference) Glenn, Trey : /

Tuesday, June 26

- # 9:00am 10:30am MPC and Oakridge Briefing with Franklin (RA's Conference Room) Glenn, Trey
- 10:00am 11:00am Briefing- ATMD Delegation Revisions Recommendations (call-in added) (RA Conference Room) - Ashbee, Blake
- **11:00am 12:00pm Meeting with TVA** (RA's Conference Room) Glenn, Trey
- 2:30pm 1:00pm Interview (Mary's Office) Walker, Mary
- 2:00pm 3:00pm ORA IO Meeting (RA Conference Room) Walker, Mary

2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC - North New call in #: 202-991-0477 Conference Code: (5))(6) - Grantham, Nancy (-)

3:00pm - 4:30pm FY2019 Performance Partnership Agreement (PPA) Priority Alignment Meeting with Florida (RA's Conference

Wednesday, June 27

- **繼 Hold-Teleworking**
 - 9:00am 10:00am Meridian CD Discussion (RAs Conference Room; 404-562-9997; (b)(6) Jenkins, Brandi
 - 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (3)(6) Grantham, Nancy
- **4:00pm 5:00pm Lessons Learned/After Action Discussion re: Region 1 PFAS Community Stakeholders Meeting** (3407 WJC-North Call in #: 202-991-0477 Code: (b)(6) Grantham, Nancy

Thursday, June 28

- 10:00am 11:30am Tenure Awards (9D&E) Lapierre, Kenneth
 12:30pm 1:00pm FW: OPA/OCIR/OPEE Conference Call with
 PADs (New Conference Line # 202-991-0477 Conference ID:
 (b)(6) Grantham, Nancy
- 3:00pm 3:30pm Pre-call discussion re. PFAS (RA's Conference Room) - Marraccini, Davina

3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) - Richardson, RobinH - -

Friday, June 29

- 12:30pm 1:30pm There is a pad call today .. thanks ng (202-991-0477 Code (b)(6) Grantham, Nancy
- iii 1:30pm 2:00pm PFAS call w/ NCDEQ (RA's Conference Room) -Marraccini, Davina

Saturday, June 30

Sunday, July 1

Extra a Manthis Parting Due - pay online :

Official Meeting/Briefing Request for the RA or DRA

Has your Division Director be set up this meeting? Yes _X_		subject, and is h	he/she a	aware of your request to		
NOTE: A briefing sheet nee	ds to accompany	this meeting re	quest			
Date of Request: June 21, 20	018					
Requestor: Beverly H. Ban Phone No.: 404-562-9326 ar		Kemker				
Name of Meeting: NC Rado	on Failure to meet	t Grant Term a	ınd Co	ndition		
Purpose of Meeting: Gain is Wehrum	nput from the RA	prior to briefi	ng the	AA for OAR, Bill		
Is the Meeting Date Sensitiv	e? Yes x No □	Deadline Date	e:			
Meeting Date/Time Preferenc	·	Date: June 25,	, 2018	Time: any		
Meeting Date/Time Preferenc		Date: June 26,		Time: morning		
Meeting Date/Time Preferenc	e #3	Date:		Time:		
30 mins to present/15 mins Qo Do you need a conference nur Background : There is a state injunction prevadon grant. It is a term and costeps prior to deciding whether	nber: Yes N venting NC DHHS ondition of nationa	from meeting a				
Expectations from Meeting (If you are looking for a decision of the decision	on, give a date by					
No. of Participants: 5-8 (It is very important that the RA's office is aware of how many and whomno surprises; i.e., we were told 2 staff members and 10 show up) Names of Required Invitees: Beverly Banister, Leif Palmer, Robin Allen, Gregg Worley, Carol Kemker Optional Invitees: Ken Mitchell, Amber Davis, Suzanne Rubini						

Requested Meeting Location:

***Please email <u>final</u> slides, background documents etc., to <u>Wanda Hudson</u> and <u>Brandi</u>

<u>Jenkins</u> 2-days prior to the scheduled meeting; failure to receive finalized documentation may cause your meeting to be rescheduled. Your Power-point presentation (if any) will be loaded and ready for showing at the scheduled meeting. All slides and background information will be printed for the RA, DRA, their Special Assistants and the COS by the front. For any critical issues that need to be elevated, please email Brandi Jenkins and Blake Ashbee.

July 2, 2018 -July 8, 2018

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SuMo					Sa	Sul			We			
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Monday, July 2

- ** 10:00am 11:00am Hiring Strategy Discussion (ARA Conference Room) - Mills, Keith
- 12:00pm 12:30pm General Discussion SÓLDAY Plan Update (RA Conference room) Walker, Mary

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)

- 1:00pm Belinda leave -(b)(6)
- # 1:30pm 2:00pm Reorg Discussion (RA's Conference Room) Glenn, Trey
- 2:00pm 3:00pm Copy: Senior Staff Meeting (Alm Room) -Adm14Pruitt. Scott
- 2:00pm 2:30pm North Carolina I&M SIP Discussion (RA's Conference Room) - Ashbee, Blake
- **3:30pm 4:00pm Daicel Briefing** (RA's Conference Room/Call-in (404) 562-9997 Code: (b)(6) Glenn, Trey

Wednesday, July 4

Holiday

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)

Tuesday, July 3

- 8:00 im 9:00 im Monthly Parking Due pay online
- 3:9:00am 10:00am General Discussion- PFAS Planning (RA Conference room) Walker, Mary
- 10:30am 11:30am (Call-in added) WPD Delegation Revisions Recommendations (RA Conference Room) Ashbee, Blake
- 11:00am 12:00pm Paducah Briefing (SF Conference Room and Phone Call-in (202) 991-0477 Conference Code (b)(6) Glenn, Trey
- ## 11:30am 12:30pm General Discussion OExA (OExA Conference room) Ashbee, Blake
- 鵬 1:00pm 2:00pm hold

2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC - North New call in #: 202-991-0477 Conference Code: (b)(6) - Grantham, Nancy

Thursday, July 5

12:00am Davina (b)(6) - Marraccini, Davina 🕸

- III 8:00am Last Day to pay parking before \$10 penalty •
- 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
 Grantham, Nancy
- 2:00pm 2:45pm Reorg Discussion (Mary's office) Walker, Mary

Friday, July 6

- 12:00am Davina(b)(6) Marraccini, Davina 🕏
- 8:00am Reminder People Plus Approval Day •

9:00am - Peopleplus approval day €

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
Grantham, Nancy

Saturday, July 7

Sunday, July 8

Official Meeting/Briefing Request for the RA, DRA or COS

Has your Division Director been briefed on this set up this meeting? Yes _X No	subject, and is he/she a	aware of your request to
NOTE: A briefing sheet needs to accompany	this meeting request	
Date of Request: May 17, 2018		
Requestor: Carol Baschon and Becky Allenbac Phone No.: Carol: #706-355-8640 Becky: #9687	h	
Name of Meeting: WPD Delegation Revisions	Recommendations	
Purpose of Meeting: To brief the Chief of Staff revisions to Region 4 delegations affecting the WSDWA)		
Is the Meeting Date Sensitive? Yes □ No X	Deadline Date:	,
Meeting Date/Time Preference #1	Date: June 6, 2018	Time: 10am-Noon
Meeting Date/Time Preference #2	Date: June 6, 2018	Time: 1pm-3pm
Meeting Date/Time Preference #3	Date: June 4, 2018	Time: 9am-11am
NOTE: All requested dates should be at least on Friday. Duration of Meeting: Unless otherwise indicate		-
30 mins to present/15 mins Q&A		
Do you need a conference number: Yes N	ОХ	•

Background:

This is the culmination of a multi-year effort to recommend revisions to Region 4's delegations (delegations from the Regional Administrator to managers and staff in Region 4) and is part of the larger delegation revision effort being undertaken by each Division within the Region. This briefing will focus on recommended revisions to the Region 4 delegations that affect the work in Region 4's Water Protection Division (WPD). The revisions are recommended in part due to the revisions that were made to the EPA Headquarters' delegations on January 18, 2017 (January 2017 Headquarters' revisions) and revisions made to the "Introduction" to the Headquarters' Delegations Manual dated February 10, 2017 (2017 Introduction to Headquarters Manual). Additional delegation revisions are recommended to promote consistency within WPD for similar types of matters, to promote consistency in the Region where appropriate, to ensure the most appropriate and efficient level of authorization related to the work of WPD and ORC, and to reflect any organizational changes since the Region's recent reorganization. This is a joint briefing by WPD and ORC.

Expectations from Meeting:

- Feedback on the recommended delegation revisions and, if appropriate, concurrence in moving the recommendations forward to the Regional Administrator for approval.
- There is no external deadline associated with this matter.

No. of Participants: 14	Names of Required Invitees:	Optional Invitees:
(It is very important that the	Suzanne Rubini	
RA's office is aware of how many and whomno surprises;	Jeaneanne Gettle	Mary Walker
i.e., we were told 2 staff	Becky Allenbach	Cesar Zapata
members and 10 show up)	Mary Jo Bragan	Scott Gordon
	Carol Baschon	
	Mita Ghosh	
	Angie Billups	
	'	

Requested Meeting Location:

***Please email <u>final</u> slides, background documents etc., to <u>Belinda Johnson</u>, 2-days prior to the scheduled meeting; failure to receive finalized documentation may cause your meeting to be rescheduled. Your Power-point presentation (if any) will be loaded and ready for showing at the scheduled meeting. All slides and background information will be printed for the RA, DRA, their Special Assistants and the COS by the front.

July 9, 2018 -July 15, 2018

	July 2018						
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August 2018 SuMo TuWe Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Monday, July 9

- 8:00am Belinda leave Johnson, Belinda
- 12:00pm 12:30pm Biweekly Meeting with Directors: Beverly Banister (RA's Small Conference Room) - Glenn, Trey
 - 12:30pm 1:00pm OPA/OCIR/OPEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy
- **1:00pm 2:00pm APTMD Staff Meeting** (12B: Call in number 404-562-9990, Access Code (b)(6)
- 2:00pm 3:00pm Copy: Senior Staff Meeting (Alm Room) -Adm14Pruitt, Scott
- **3:30pm 4:00pm Biweekly Meeting with Director: Franklin Hill**(RA's Small Conference) Glenn, Trey
- w 5:30pm 6:15pm All-Hands Political Team Meeting (WJC-N 3530 / Video Conference (Regions) / Conference Call 866.299.3188; Code: (b)(6) - Ford, Hayley

Tuesday, July 10

- 🗮 🕈 Belinda leave Johnson, Belinda
- 2:30pm 3:15pm All Managers Meeting (9D and 9E) Monell, Carol 2:30pm 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC North New call in #: 202-991-0477 Conference Code: (b)(6) Grantham, Nancy:

Wednesday, July 11

- ← Belinda leave Johnson, Belinda
 EPA/DOE/TDEC Meeting (Chattanooga, TN) Glenn, Trey
- 9:30am 10:00am Meeting with Trey Glenn (312 Rosa L. Parks Ave, Nashville TN 37243 (Commissioner Meghreblian's Conference Room)) -Glenn, Trey
- 10:00am 12:00pm DOE/TDEC/EPA Meeting (TDEC: 312 Rosa L. Parks Ave Nashville, TN 37243 (Commissioner Meghreblian's Conference Room)) Glenn, Trey
- # 10:00am 11:00am Hold-doc
- # 12:30pm 1:30pm KY DEP/DOE and EPA Meeting regarding Paducah (312 Rosa L. Parks Ave, Nashville TN 37243 (Commissioner 3:15pm - 4:15pm FW: Ethylene Oxide Discussion with Region 4 *ATTACHMENT*
- \$5:30pm 6:00pm South GA Ag Tour Prep (RA Back Conference Room) - Glenn, Trey

Thursday, July 12

- Belinda lesve Johnson, Belinda
 - 9:00am 10:30am Deputy Directors Team Meeting (R4-15C-15T70-WPD-Div-Conf-Rm/SNAFC) - Zapata, Cesar

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

1:00pm - 1:30pm Region 3 PFAS Community Stakeholder Event Planning Meeting (3407 WJC-N Call in #: 202-991-0477 Code (b)(6) - Grantham, Nancy

3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) - Richardson, RobinH ::

Friday, July 13

- Belinda leave Johnson, Belinda
- 🏙 9:30am 10:00am Call with Jeaneanne Ashbee, Blake
- 類 10:30am 11:30am NC PFAS Meeting Planning Workgroup (RA's Conference Room) Marraccini, Davina

12:45pm - 1:15pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

- 2:00pm 2:30pm MS Phophates & Update on contracting for site (Call) - Glenn, Trey
- 3:00pm 3:30pm Call with Representative Meadows (Call-in (404) 562-9997 ID (b)(6) Glenn, Trey

Saturday, July 14

📰 🗢 Belinda leave - Johnson, Belinda

Sunday, July 15

🚟 + Belinda leave - Johnson, Belinda

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DOE/TDEC and EPA Meeting July 10-11, 2018

Additional Region 4 Staff:

<u>Name</u> N/A	Telephone # N/A	Transportation Public Transportation/Uber
·		

M&IE = \$129.75

7/10/2018

\$44.25

7/11/2018

\$44.25

Total: \$88.50

Tuesday, July 10, 2018

FLIGHT:

Leave: Atlanta via Delta 2826 at 5:56 pm

Arrive: Nashville, TN at 6:11 pm

Seat: 28E

Confirmation Number: HXX2CF

Hotel:

Hilton Nashville Airport

2200 Elm Hill Pike Nashville, TN 37214

Phone: (615) 883-9770

Check-in: Tuesday, July 10th after 3 pm Check-out: Wednesday, July11th by Noon

1 King Bed

Confirmation Number: 3470741269

DOE/TDEC and EPA Meeting July 10-11, 2018

Wednesday, July11, 2018

DRESS: Business Casual

DOE/TDEC/EPA Meeting

9am-11am

The purpose of the meeting is to provide a Program Update of cleanup-related items currently underway in Oak Ridge. This meeting would include the three executives and some key staff members of their choice.

KY DEP/DOE and EPA Meeting regarding Paducah

11:30am-12:30pm

312 Rosa L. Parks Ave, Nashville TN 37243 (Commissioner Meghreblian's Conference Room)

FLIGHT:

Leave: Nashville, TN via Delta 1530 at 2:30 pm

Arrive: Atlanta at 4:45 pm

Seat: 19A

Confirmation Number: HXX2CF

For flight changes contact: BCD Travel: (866) 964-1346

Agency Record SMW6DC

\$34.50 per change

For all other travel issue contact: EPA Travel (513) 487-2346

July 16, 2018 -July 22, 2018

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Monday, July 16

- # Belinda leave Johnson, Belinda
- **勝 9:30am 10:00am Brief Meeting** (Phone Call) Glenn, Trey
- 10:00am 10:30am Streamlining Requests for signature (RA small conference room) Hairston, Brandy
- **3 12:00pm 12:30pm Biweekly Meeting with Directors: Vickie Tellis** (SESD) (RA's Small Conference Room) Glenn, Trey
 - 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs
 (New Conference Line # 202-991-0477 Conference ID: (b)(6)
- ## 1:00pm 2:00pm APTMD Staff Meeting (12B: Call in number 404-562-9990. Access Code (b)(6) Banister, Beverly
- 2:00pm 3:00pm Copy: Senior Staff Meeting (Alm Room) Adm14Pruitt, Scott
- 第 3:30pm 4:00pm Biweekly Meeting with Directors: Leif Palmer (RA's Small Conference Room) - Glenn, Trey ∵
 - 3:30pm 4:00pm Hold Budget 101 Prep for SLC (RA Conference

Tuesday, July 17

- # Belinda leave Johnson, Belinda
 - 12:00am Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) Glenn, Trey
- ### 9:00am 12:00pm July's Regional Monthly Review

 (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) Glenn, Trey

 2:30pm 3:15pm PADs/Comms Directors Weekly Meeting (Room 2530 WJC North New call in #: 202-991-0477 Conference Code: (b)(6)

 Grantham, Nancy
- ### 4:00pm 4:30pm Region 3 PFAS Community Stakeholder Meeting Planning Call (3407 WJC N 202-991-0477 Code: (b)(6) Grantham, Nancy

Wednesday, July 18

- Belinda leeve Johnson, Belinda
 - Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey
 - 12:00am WASNYHX 18 Jul 2018 20 Jul 2018 (Blake's ELC Reservation)
- 8:00am 9:00am Hold

MESOCATA PROMOCENIA (SSEVE) SEPTEMBER 18 TO ANNO 18 TO

9:30am - 11:30am CONCUR REFRESHER TRAINING (R4-10T33-Reg-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Ward-Martin, Tracy

12:30pm - 1:00pm OPA/OCIR/OPEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy

Thursday, July 19

- + 11:30am Belinda leave Johnson, Belinda
 - Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) Glenn, Trey
 - " 12:00am WASNYHX 18 Jul 2018 20 Jul 2018 (Blake's ELC Reservation)
 - 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6)
 - 3:00pm 3:45pm OCIR Weekly Regional Call (3428-WJCN) Richardson, RobinH (3428-WJCN)
- 3:30pm 5:00pm RA Chief of Staff and Senior Advisor Meeting (HQ North Building 4350) Wagner, Kenneth
- **5:00pm 6:00pm All Hands Political Team Meeting** (Green Room) Wheeler, Andrew
- 6:30pm 9:00pm SLC Dinner (Dock 79 79 Potomac Avenue, SE Washington DC) Richardson, RobinH

Friday, July 20

- Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey
- **III** 8:00am 'Reminder People Plus Approval Day ○
- 8:30am 12:00pm Regional Administrators meeting with Assistant Administrators (DCRoomARN3530CFTB/DC-Ariel-Rios-AO) - Wagner, Kenneth
 - 9:00am Peopleplus approval day 🕁
- 10:30am 11:00am NC PFAS Meeting Planning Workgroup (RA's conference room (R4 participants only)) Marraccini, Davina:
 - 12:30pm 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy
- # 4:00pm 4:30pm Region 3 PFAS Stakeholder Engagement
 Meeting Planning Call (3407 WJC-N Conference Call #:
 202-991-0477 Code (b)(6) Grantham, Nancy

Saturday, July 21

** Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey

Sunday, July 22

** Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey

Region 4 Monthly Business Review

July 17th, 2018 - 9:30 AM - 12:00 PM

AGENDA

1. Opening Remarks	T. Glenn
2. Review of Action Items from Previous Meeting	D. Fifadara
3. Review of Changes - Master Bowling Chart	D. Fifadara
4. Performance Metrics / Countermeasures Review	D. Fifadara
[A01-07] Agency Wide Reporting Metrics [RM01] Number of Non-Attainment Areas [RM02] SIP Backlog [RM03] Number of SIPs acted on by region [RM04] Superfund Sites RAU [RM05] Brownfields Sites RAU [RM06] RCRA Corrective Action Facilities RAU [RM07] LUST Sites RAU [RM11] NPDES SNC Compliance Rate [RM12.A1-A6] Air Permits [RM12.L1-L2] RCRD Permits [RM12.W1-W8] Water Permits	OPM APTMD APTMD APTMD SF RCRD RCRD RCRD WPD APTMD APTMD RCRD WPD WPD WPD
5. Additional Regional Measures/ Countermeasures	D. Fifadara
[#1-3] SESD Measures [#4-9] OPM Measures [#10] Priority SIPs [#11-15] GMP Measures [#16-25] ORA Measures	SESD OPM APTMD GMP ORA
6. Proposals for additional Regional Measures	D. Fifadara
7. Status of Funds	K. Eubanks/K. Lapierre
8. Responsiveness to States Measure	M. Walker/B. Ashbee
9. Review of Action Items and Wrap-up	D. Fifadara
10. Closing Comments	T. Glenn

Next Meeting: Tuesday, August 14th, 2018 - 9:00 AM - 12:00 PM

RA/AA National Program and Regional Discussion

HQ RA Meeting Agenda Friday, July 20, 2018 8:30 AM – 12:00 PM ET HQ North Building Room 3530

1	W	رام	CO	m	e

- II. Executive Orders Krysti Corbett, Labor and Employment Relations Division (30 min)
- III. Assistant Administrator Office of General Counsel Matt Leopold (30 min) 9:00am to 9:30am
- IV. Deputy Assistant Administrator OCSPP Nancy Beck (20 min) 9:35am to 9:55am
- V. Assistant Administrator OECA Susan Bodine (30 min) 10:00am to 10:30am
- VI. Assistant Administrator Office of Air and Radiation Bill Wehrum (30 min) 10:35am to 11:05am
- VII. Assistant Administrator Office of Water Dave Ross (30 min) 11:10am to 11:40am
- VIII. Deputy Assistant Administrator OLEM Steven Cook (20 min) 11:45am to 12:05pm
- IX. Deputy Assistant Administrator ORD Richard Yamada (20 min) 12:10pm to 12:30pm

July 23, 2018 -July 29, 2018

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Monday, July 23

← Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey

12:00am Hill Visits (Washington, D.C.) - Glenn, Trey

8:00am - PerDiem (\$51.75, \$69, \$51.75)

9:30am - 10:00am Morning Meeting (Conference Call) - Glenn, Trey

9:30am - 10:00am Canceled: Morning Meeting (Conference Call) - Hairston, Brandy

羅 12:00pm - 12:30pm Trey Glenn/Peter Wright Meeting (3146 EPA

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs

1:00pm - 2:00pm APTMD Staff Meeting (128: Call in number

1:00pm - 1:30pm Meeting w/ Cong. Hudson (R-NC) LD Preston

2:00pm - 3:00pm Copy: Senior Staff Meeting (Alm Room) -

4:00pm - 4:15pm RA Hill visit w/ Sen. Wicker (R-MS) (Dirksen

囊 5:15pm - 5:45pm RA Hill visit with Senator Jones (D-AL) (Russell

Tuesday, July 24

← Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey

+ 12:00am Hill Visits (Washington, D.C.) - Glenn, Trey

B 9:30am - 10:00am Meeting w/ Sen. Perdue LA Daniel Hale (Russell Senate Office Building, SR-455, Washington, DC 20510) - Marraccini,

🗱 10:00am - 11:00am (location changed) General Discussion with

3 11:30am - 12:00pm RA Hill visit w/ Cong. Aderholt (R-AL) (Cannon

1:30pm - 2:00pm RA Hill visit w/ Cong. Rouzer (R-NC) (Cannon

2:30pm - 3:00pm RA Hill visit with Sen. Alexander and TDEC

2:30pm - 3:15pm PADs/Comms Directors Weekly Meeting (Room

疆3:15pm - 3:45pm RA Hill visit with Cong. Buddy Carter (R-GA)

4:00pm - 4:30pm RA Hill visit w/ Senator Hyde-Smith (R-MS)

5:00pm - 5:30pm RA Hill visit w/Cong. Fleischmann (2410 Rayburn

6:00pm - 7:00pm Briefing: South Florida Ecosystem Restoration

Wednesday, July 25

← 12:00am Senior Leadership Meeting, Hill Visit and Everglades (Washington, DC) - Glenn, Trey

10:00am - 3:15pm SOUTH FLORIDA ECOSYSTEM RESTORATION TASK FORCE (Yates Auditorium, 1849 C Street, NW, Washington, DC 20240) - Glenn, Trey

10:00am - 12:00pm Coming Soon - Regional Diversity & Inclusion Day (Rooms 9D/E and the Regional Library) - Robertson, Veronica

10:00am - 12:00pm SAVE THE DATE PLEASE - Regional Diversity Day (9D/E) - Robertson, Veronica

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy ○

2:00pm - Belinda Leave - (b)(6)

椰 4:30pm - 5:00pm Meeting w/Trey Glenn (WJCN 4318) - Glenn, Trey

Thursday, July 26

9:00am - 10:30am Deputy Directors Team Meeting
(R4-15C-15T70-WPD-Div-Conf-Rm/SNAFC) - Zapata, Cesar ©

1:00pm - 1:30pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy ○

1:45pm - 2:15pm Briefing on Mobile, AL Monitoring Issue (R4-RA-Conf-Rm/Sam-Nunn-Federal-Building-ATL) - Glenn, Trey

2:30pm - 3:00pm Pfas catch up - Ashbee, Blake

3:00pm - 3:45pm OCIR Weekly Regional Call (3428-WJCN) - Richardson, RobinH ○

Friday, July 27

12:00am Wanda Leave - Hudson, Wanda

3:30am - 10:00am Notifications for NC PFAS mtg release (RA's conference room (R4 participants only)) - Marraccini, Davina

驟 10:30am - 11:00am NC PFAS Meeting Planning Workgroup (RA's conference room (R4 participants only)) - Marraccini, Davina 〇

爾 12:00pm - 1:30pm Lunch

12:30pm - 1:00pm OPA/OCIR/OPEEE Conference Call with PADs (New Conference Line # 202-991-0477 Conference ID: (b)(6) Grantham, Nancy ○

Saturday, July 28

Sunday, July 29

← Wanda Leave - Hudson, Wanda

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SOUTH FLORIDA ECOSYSTEM RESTORATION TASK FORCE **DRAFT Agenda**

U.S. Department of the Interior Yates Auditorium 1849 C Street, NW, Washington, DC 20240 July 25, 2018

Task Force Role: The intergovernmental South Florida Ecosystem Restoration Task Force was created by the Congress in 1996 to provide the long-term strategic coordination of efforts to restore the 18,000 square mile South Florida Ecosystem. Its duties are to provide intergovernmental coordination, review project plans for the Comprehensive Everglades Restoration Plan (CERP), exchange information, facilitate the resolution of conflict, coordinate programmatic science, assist members in their restoration activities, report on restoration progress, and promote public participation.

10:00 - 10:10 1. Welcome, Goals for the Meeting and Administrative Items

Purpose: The agenda will be presented and administrative items will be reviewed.

Susan Combs

Drew Bartlett

10:10 - 10:30 2. Task Force Member Introductions and Opening Remarks ALL

Purpose: Each member has the option of providing brief introductory remarks at this time.

10:30 - 10:50 3. Task Force Administration

Kevin Burger Purpose: The Office of Everglades Restoration Initiatives (OERI) will present the WG Chair charter procedures for agency and tribal representation appointments to the SCG Chair Working Group (WG) and Science Coordination Group (SCG). Recommendations

appointment. The Chairs of the WG and SCG will brief the Task Force on their current and future 2018 activities.

10:50 - 11:10 4. 2018 Task Force Reporting Requirements

Purpose: OERI will provide an overview of the Task Force's 2018 reports.

Allyn Childress Nick Aumen

Strategy: Responds to Congressional direction (House Conference Report 106-479) to outline how the restoration effort will occur.

for Chair and Vice Chair of the WG and SCG will be presented for Task Force

- Biennial Report: Restoration progress report required by the Water Resources Development Act (WRDA) of 1996.
- Integrated Financial Plan: Annual report with detailed restoration project information that supplements the Biennial Report; required by WRDA 1996.
- System-wide Ecological Indicators Report: Assesses current ecosystem health and tracks ecosystem response to restoration.

11:10 - 11:35 5. Corps Program and Project Update

Howie Gonzales

Purpose: The U.S. Army Corps of Engineers (Corps) will provide an update on ongoing restoration planning, design and construction.

11:35 - 11:506. Lake Okeechobee: Herbert Hoover Dike Construction / Water Management

Tim Murphy

Purpose: The Herbert Hoover Dike is a 143-mile earthen dam that surrounds Lake Okeechobee, the heart of the Kissimmee-Okeechobee-Everglades system. It reduces impacts from flooding as a result of high lake levels for a large area of south Florida. The Corps has made significant investment in projects designed to reduce the risk of catastrophic failure of the aging structure. The Corps will

provide an update on construction efforts and water management in accordance

with the Lake Okeechobee Regulation Schedule.

LTC Jennifer Reynolds

11:50 - 12:107. SFWMD Program and Project Update Megan Jacoby Purpose: The South Florida Water Management District (SFWMD) will provide an update on ongoing restoration planning, design and construction. 12:10 - 12:30**General Public Comment** Purpose: Opportunity for input and feedback on the preceding agenda items. 12:30 - 1:30**Lunch Break** Note: Bison Bistro, the DOI cafeteria, is located on the basement level. 1:30 - 2:008. Central Everglades Planning Project (CEPP) - Post Authorization Eva Velez Change Report Update Purpose: The SFWMD will review the Tentatively Selected Plan for the Everglades Agricultural Area Storage Reservoir for the CEPP Post Authorization Change Report. Update will include next steps 2:00 - 2:159. Tamiami Trail Next Steps, Phase 2 Update **Bob Johnson** Purpose: In early 2017, the National Park Service (NPS) began examining options for reconstructing the remaining lower portions of the eastern Tamiami Trail roadway through a partnership with the Federal Highway Administration (FHWA). The Florida Department of Transportation (FDOT) also began work on a parallel study in early 2018. The NPS/FHWA/FDOT are continuing efforts to develop an optimized approach to complete the remaining roadway reconstruction and supplemental conveyance features. The ongoing planning for Phase 2 of the Tamiami Trail Next Steps project will be discussed. Completion of this project is a requirement prior to fully implementing the Central Everglades Planning Project and related CERP initiatives. The NPS will provide an update. 2:15 - 2:3010. Integrated Delivery Schedule (IDS) Update Kim Taplin Purpose: The IDS provides the roadmap for sequencing, planning, design and construction of both federal and state projects related to Everglades restoration. The Corps will provide an update. 2:30 - 2:5011. National Research Council (NRC) Report Stephanie Johnson Purpose: Consistent with the requirements of WRDA 2000, the Secretary of the Army, the Secretary of Interior and the Governor of Florida established an independent review panel through the NRC. The Committee on Independent Scientific Review of Everglades Restoration Progress (CISRERP) was asked to present a report every two years on CERP progress. A status update will be provided by the NRC on "Progress Toward Restoring the Everglades, The Seventh Biennial Review, 2018" due in the fall. 2:50 - 3:10**General Public Comment** Purpose: Opportunity for input and feedback on the preceding agenda items. 3:10 - 3:1512. Assignments, Next Steps and Closing Comments Susan Combs **Drew Bartlett** 3:15

Updated 6/29/18

Adjourn

Port of Mobile Coal Terminal Particulate Matter (PM)

Mobile, AL

Regional Administrator Briefing

July 26, 2018





Background

- The AL State Port Authority's McDuffie Terminals in Mobile handle 30 million tons of coal per year.
- There is not consensus on a PM_{10} component of coal dust.
- ADEM operated a fenceline monitor from 2000-2005, and measured PM_{10} NAAQS violations. ADEM discontinued this monitor in December 2005



Region 4 - Air, Pesticides & Toxics Management Division

PM10 Ambient Air Data – Maximum Values Per Year

Mobile, Alabama MSA

250

	micrograms per	r cubic meter	
50	micrograms per	150	200
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4.4	WKRG XMITTING STN, TELEGRAPH RD.
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8.2	Iroquois and Azalea, CHICKASAW, MOBILE C
7.7	HWY.43 CHICKASAW, MOBILE COUNTY
14.0	BAY RD. , MOBILE AL.
2.8	250 ST. JOSEPH ;MOBILE, AL. 36601
3.6	248 COX STREET, MOBILE , AL.
0.0	(CC WILLIAMS) 1600 YEEND ST., MOBILE , A
Distance from Coal Terminal (miles)	SITE

(CC WILLIAMS) 1600 YEEND ST., MOBILE, A (Fenceline Monitor)

248 COX STREET, MOBILE, AL.

.250 ST. JOSEPH ;MOBILE, AL. 36601

BAY RD., MOBILE AL.

HWY.43 CHICKASAW, MOBILE COUNTY

Iroquois and Azalea, CHICKASAW, MOBILE C

WKRG XMITTING STN, TELEGRAPH RD.

PM₁₀ NAAQS



Background (cont.)

- A monitor used in 2006 had a faulty pump, and much of the data was terminal, and the nearby communities are 1-1.5 miles away. invalidated by ADEM. The monitor was 2.4 miles from the coal
- Several commenters requested PM_{10} monitoring near the port in network plans comments on Alabama's 2016, 2017, and 2018 annual air monitoring
- This issue received significant press coverage in 2016 and the Mobile consider establishing air monitors in the area; R4 also engaged ADEM regarding additional monitoring City Council requested ADEM look into citizen complaints and



Issues

- 2018 annual air monitoring network plan commenters included Gasp, City Council submitted comments in 2016 Alabama, and the Southern Environmental Law Center. The Mobile League of Women Voters of Mobile, League of Women Voters of
- It is unclear what additional monitoring would show in the nearby communities.
- The CAA does not appear to require monitoring in this situation
- The Mobile MSA (2017 population: 413,955) is not required to operate a PM $_{
 m 10}$ monitor
- General regulatory language does highlight the importance of characterizing areas of expected maximum concentration
- States have flexibility to conduct shorter-term special purpose monitoring.



ADEM's Perspective - Based 2018 Response to Public Comments

- Based on past monitoring data, Mobile would show attainment with the NAAQS
- PM_{10} study conducted by ADEM in 2006 showed low PM_{10} levels downtown
- The quantity of coal dust has decreased since 2006.
- The tonnage of coal being loaded and unloaded in recent years is substantially lower than in 2006.
- A number of coal dust control measures have been put in place since 2006.
- ADEM does not have sufficient resources to place additional monitors
- ADEM does not believe the coal handling activities pose a danger to human
- Coal dust does not present the same health risks as coal ash (i.e., dust particles are too big to inhale)